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Infitek

CENTRIFUGES

LOW SPEED CENTRIFUGES
HIGH SPEED CENTRIFUGES
LOW SPEED CENTRIFUGES, REFRIGERATED CENTRIFUGES
HIGH SPEED CENTRIFUGES, REFRIGERATED CENTRIFUGES
MINI CENTRIFUGES
DEDICATED CENTRIFUGES
CENTRIFUGE TUBE
MULTI PURPOSE CENTRIFUGES
CENTRIFUGAL CONCENTRATOR



Clinical Centrifuge, Low Speed

CFG-4.5D CFG-4.5D(A6-50P)

Features:

- Quick spin function with press and hold pulse key.
- Lid with electric lock and automatic release function saves processing time.
- Automatic self-diagnosis on startup showing accumulative running time and last running parameters.
- Braking time 2 steps adjustable (for A6-50P rotor).





Features:

- Easy programming to achieve high accuracy of speed control.
- Easy operation with intuitive menu and easy-to-read display.
- Rotor speed can be set and displayed by RPM or G-force.
- Maintenance-free brushless DC motor.

Available rotors Cat. No.19400068 and Cat. No.19100197 are not interchangeable



Cat. No.19400068
for CFG-4.5D
Max Speed: 4500rpm
Max RCF: 2490×g
Rotor Capacity: 8x15ml,12x10ml
Rotor Material: High strength plastic



Cat. No.19100197
For CFG-4.5D(A6-50P)
Max Speed: 4000rpm
Max RCF: 1800×g
Rotor Capacity: 50ml×6 or 15ml×6
Rotor Material: High strength plastic

Specification

Model	CFG-4.5D	CFG-4.5D(A6-50P)
Speed Range	300-4500rpm, increment: 100rpm	300-4000rpm, increment: 100rpm
Max. RCF	2490×g	1800×g
Speed accuracy	±20rpm	±20rpm
Rotor type	A12-10P(19400068)	A6-50P(19100197)
Run Time	30sec-99min HOLD (Continuous operation)	
Motor	Brushless DC motor	
Display	LCD	
Safety Devices	Door interlock, Overspeed detector; Automatic internal diagnosis	
Acceleration/Braking time	A12-10P: 20s↑13s↓	A6-50P: 20s↑20 s /90 s↓
Power	Single-phase, 100V-240V,50Hz/60Hz, 3A 70W	
Dimension[W×D×H]	354mm×304mm×215mm	
Weight	6 kg	
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	

Specifications

Available Tubesv	Tube Quantity	Dimension (Φ×L, mm)	Maximum Speed(rpm)	Radius (cm)	Maximum RCF (×g)
15ml con	8	17×120	4500	11	2490
1.5-5ml vacu	12	13×75	4500	9.8	2218
4-7 ml vacu	12	13×100	4500	11	2490
		16×75	4500	9.8	2218
8.5-10 ml vacu	12	16×107	4500	11	2490

Low Speed Centrifuge

CFG-4AY



Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Feature

- All-steel multi-layer explosion-proof structure, stainless steel centrifugal chamber.
- Maintenance-free DC brushless motor drive, smooth and quiet operation.
- Microcomputer processor precise control, digital display, easy operation, automatic calculation of centrifugal force RCF value, speed and centrifugal force can be switched with each other by one key.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The mute electronic door lock is easy to use and has an emergency door opening function.
- Small size and low cover height, saving laboratory space.
- With door lock, over-speed, imbalance automatic protection, and fault self-diagnosis.

Specification

Model	CFG-4AY
Max. Speed	4000rpm
Max. RCF	2390×g
Max. Capacity	6×50ml Angle rotor
Timer	1～99min
Speed Accuracy	±10rpm
Sound Emission	≤58dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	470*320*250mm
N.W./G.W.	16kg/18kg
Package Dimension	565*410*340mm

Rotor Pictures


6×50ml


12×15ml


12×20ml


18×10ml


24×10ml


30×7ml


30×7

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05174	Angle rotor	4000rpm	12×10ml	2150×g	5-10ml blood collection tube
No.05177	Angle rotor	4000rpm	12×15ml	2150×g	5-15ml general purpose
No.05198	Angle rotor	4000rpm	12×20ml	2220×g	
No.05175	Angle rotor	4000rpm	18×10ml	2250×g	5-10ml blood collection tube
No.05179	Angle rotor	4000rpm	30×5ml	2250×g	2-4ml blood collection tube
No.05179	Angle rotor	4000rpm	30×7ml	2250×g	5-7ml blood collection tube
No.05180	Angle rotor	4000rpm	6×50ml	2100×g	
No.05176	Angle rotor	4000rpm	24×10ml	2200×g	5-10ml blood collection tube
No.05242	Swing rotor	4000rpm	6×10ml	2390×g	10ml blood collection tube

Low Speed Centrifuge, Benchtop

CFG-4B(WS)



Description

- Microcomputer control, DC brushless motor, stable operation, low noise and high speed accuracy.
- The real-time conversation Of Speed and RCF is convenient for operation.
- Self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.

Accessories Center

CFG-4B(WS)



NO.1
Capacity:7ml×12
Max Speed:4000r/min
RCF:2220×g
For 5ml/7ml Vacuum Tube



NO.1
Capacity:10ml/15ml×12
Max Speed:4000r/min
RCF:2220×g
Adapter: 1.5ml、5ml/7ml Vacuum Tube



NO.1
Capacity:20ml×12
Max Speed:4000r/min
RCF:2220×g
Adapter: 5ml.10ml.5ml/7ml Vacuum Tube



NO.2
Capacity:15ml×8
Max Speed:4000r/min
RCF:2220×g
Adapter:1.5ml、5ml、10ml、5ml/7ml Vacuum Tube



NO.1
Capacity: 7ml×18
Max Speed:4000r/min
RCF:2220×g
For 5ml/7ml Vacuum Tube



NO.1
Capacity:10ml×18
Max Speed:4000r/min
RCF:2220×g
Adapter: 1.5ml、5ml/7ml Vacuum Tube



NO.1
Capacity:50ml×4
Max Speed:4000r/min
RCF:2220×g
Adapter:15ml.20ml.5ml/7ml Vacuum Tube



NO.3
Capacity:50ml×4
Max Speed:4000r/min
RCF:2500×g



NO.1
Capacity:7ml×24
Max Speed:4000r/min
RCF:2220×g
For 5ml/7ml Vacuum Tube



NO.1
Capacity:10ml×24
Max Speed:4000r/min
RCF:2220×g
Adapter: 1.5ml、5ml/7ml Vacuum Tube



NO.1
Capacity:50ml×6
Max Speed:4000r/min
RCF:2220×g
Adapter:15ml.20ml.5ml/7ml Vacuum Tube



LED or LCD display, user-friendly interface, simple and convenient operations.
Touch panel, programmable operation, operation data can be set according to demand and stored automatically.

Specifications

Model	CFG-4B（WS）
Max speed	4000r/min
Max RCF	2500×g
Max capacity	50ml×6
Speed accuracy	± 30r/min
Time setting	1min~99min
Noise	<60dB(A)
Power supply	110V/60Hz 220V/50Hz
Dimension(LxWxH)	330mm×420mm×280mm
Package Dimension(W*D*H)(mm)	530mm×440mm×400mm
Net weight	16kg

Low Speed Centrifuge, Automatic Balance

CFG-4BA





Advantages



- Drive:
  Brushless DC motor drive, maintenance-free, high torque, fast lifting speed, special combination shock absorption device to make the motor run smoothly, with small vibration, low noise, and meet environmental protection requirements.
- Display: Intelligent control, touch panel, intuitive digital display.
- Machine body:Itadopts high-quality steel structure and stainless steel centrifugal chamber.



Security:

- It adopts silent motor, integrated electronic lock.It has multiple protection functions such as door cover, over-speed, imbalance, etc. It is equipped with electronic door lock to ensure safe and reliable operation.

Application:

- Suitable for biochemical laboratory, hospital clinical test, etc.

Specification

Model	CFG-4BA
Max. Speed	4000r/min
Max. RCF	2200×g
Max.Capacity	6×50ml
Time Setting	0～99min
Motor	Brushless DC motor, microcomputer control
Power Supply	AC 220V 50Hz 3A
Dimensions(L×D×H)	430×340×250mm
Net Weight	20kg

Available rotor and centrifuge tube

Rotor NO.	Max. Capacity	Max. Speed	Max. RCF	Dimension of Centrifuge Tube
No.1 Angle Rotor	24*5ml	4000r/min	2200×g	Φ13×75mm
No.2 Angle Rotor	18*10/7ml	4000r/min	2200×g	Φ16×106mm
No.3 Angle Rotor	24*10/7ml	4000r/min	2200×g	Φ16×106mm
No.4 Angle Rotor	12*15ml	4000r/min	2200×g	Φ16×120mm
No.5 Angle Rotor	12*20ml	4000r/min	2200×g	Φ20×120mm
No.6 Angle Rotor	6*50ml	4000r/min	2200×g	Φ29×116mm

Clinical Centrifuge, Low Speed

CFG-4D





CFG-4D Features:

- Max.speed 4000rpm.
- Rotor speed can be set in RPM/RCF, with 3 programs storage capacity for routine applications.
- Max. capacity 50ml×4, Accomo dating different sizes of blood collection tubes and centrifuge tubes suitable for swing rotor and angle rotor.
- Automatic internal diagnosis and self-detection.
- Maintenance-free brushless DC motor.

Specifications

Model	CFG-4D
Speed range	500-4000rpm increment: 100rpm
Max. RCF	2500×g
Speed accuracy	±100rpm
Rotor	Swing6×15ml Swing4×50ml Angle 24×15 ml, Angle 12×10ml/8×15ml
Run time	1-99min, HOLD
Motor	Brushless DC motor
Display	LCD
Program	Blood: 3200rpm,10min. Urine: 1800rpm,5min. Faecal: 1300rpm,10min.
Safety Device	Automatic internal diagnosis
Acceleration/deceleration	3↑4↓steps
Power	Single phase, 100V-240V, 50Hz/60Hz
Dimension(W×D×H)	364×440×268mm
Weight	14.5kg
Noise	≤62dB(A)



Available adapters



Cat. No.19500024
50ml change 15ml adapter,
Adapted to 17×120mm centrifuge tube, 13/16×100mm blood collection tube 4pcs/pk,for CAT. NO. 19400100



CAT. NO. 19500021
15ml adapter for 17×120mm
centrifuge tube, 13/16×100mm blood collection tube 24 pcs/pk,
for CAT. NO. 19400082, CAT. NO. 19400101, CAT. NO. 19400084



CAT. NO. 19500022
5ml adapter, Adapted to 13×75mm
blood collection tube 24 pcs/pk,
for CAT. NO. 19400100, CAT. NO. 19400082, CAT. NO. 19400101



CAT. NO. 19500023(Optional)
1.5/2ml Cryogenic Vials/ centrifuge
tube adapter, 24 pcs/pk, for CAT. NO. 19400100,
CAT. NO. 19400082, CAT. NO. 19400101, CAT. NO. 19200921, A6-50P

Available rotors









Rotors Model	Cat. No.19400082	Cat. No.19400100	Cat. No.19400101	Cat. No.19400084
Centrifuge model	CFG-4D	CFG-4D	CFG-4D	CFG-4D
Capacity	15ml×6	50ml×4	15ml×24	15ml×8
Hole diameter(mm)	22	29.4	22	22.6
Hole Depth(mm)	97.7	87.8	97.7	90.8
Max. tube Height (mm)	120.6	125	120.6	120.3
Max. speed(rpm)	4000	4000	4000	4000
Rotor material	Aluminum alloy	Aluminum alloy	High strength plastic	High strength plastic
Default adaptor	CAT. NO. 19500021, CAT. NO. 19500022	CAT. NO. 19500024, CAT. NO. 19500022	CAT. NO. 19500021, CAT. NO. 19500022	CAT. NO. 19500021

Low Speed Centrifuge, Benchtop

CFG-5B



Description

This series of centrifuge separation technology is a new technology developed according to the state of particles in a practical centrifugal occasion; It is suitable for experiments and scientific research in the fields of biochemistry, hospital clinical testing, etc.

Drive:
Brushless DC motor drive, maintenance-free, high torque, fast lifting speed, special combination of shock absorption device to make the motor run smoothly.

Available rotor and centrifuge tube

Rotor NO.	Max. Capacity	Max. Speed	Max. RCF	Dimension of Centrifuge Tube
No.1 Angle Rotor	24*5ml	5000r/min	4020×g	Φ13×75mm
No.2 Angle Rotor	18*10/7ml	5000r/min	4020×g	Φ16×106mm
No.3 Angle Rotor	24*10/7ml	5000r/min	4020×g	Φ16×106mm
No.4 Angle Rotor	12*15ml	5000r/min	4020×g	Φ16×120mm
No.5 Angle Rotor	12*20ml	5000r/min	4020×g	Φ20×120mm
No.6 Angle Rotor	6*50ml	5000r/min	4020×g	Φ29×116mm





Advantages

- Display:
  Intelligent control, touch panel, intuitive digital display, operating parameters can be automatically memorized, and RCF can be set directly.
- Control:
  Parameters such as speed and time can be set directly, which is convenient to use.
- Machine body:
  Themachinebody adopts high-quality steel structure, stainless steel centrifugal chamber, durable and easy to clean.
- Security:
  It has multiple protection functions such as door cover, overspeed and unbalance to ensure safe and reliable operation.

Specification

Model	CFG-5B
Max. Speed	5000r/min
Max. RCF	4020×g
Max.Capacity	6×50ml
Speed Accuracy	±30r/min
Time Setting	0～99min
Noise	≤58dB
Motor	Brushless DC motor, microcomputer control
Power Supply	AC 220V 50Hz 8A
Dimensions(L×D×H)	430×340×250mm
Weight	16kg
Package Dimension	540*460*360
G.W.(kg)	18.5

Low Speed Centrifuge, Benchtop

CFG-5BL



Description

It is suitable for separation of biological, chemical, pharmaceutical, biological products and other different liquids.



Advantages

- 5-inch high-definition touch screen, easy to operate and intuitive display;
- 15 groups of programs can be stored for users to use;
- There are various protections such as overspeed, door protection, imbalanceprotection, etc. to ensure the safety of human and machine;



- Automatically identify 4different rotors to eliminate potential safety hazards caused by user misoperation (Optional function)
- It has 9 files of acceleration and10 files of deceleration level，which can effectively prevent secondary suspension and have a good centrifugal effect；



- AC variable frequency motor, high speed control precision
- Unique two-stage shock absorption; large-capacity rotor has little vibration during operation, runs smoothly, and increases the service life of the instrument；
- Special air duct, continuous working temperature rise is less than 10℃ at room temperature of 26-28℃；



4x2x100ml | 4x100ml | 4x2x50ml | 4x50ml | 4x8x15ml | 4x6x15ml | 4x4x15ml



4x250ml | 4×500ml | 4×12×7/5ml | 4×18×7/5ml | 4×24×7/5ml | 2×2×96 well | 12×10ml

Rotor

NO.	Max speed (r/min)	Max RCF (×g)	Rotor Type	Capacity	Dimension of TestTube (mm)
NO.1	4000	2810	Swing Rotor	4x2x100ml (It can be equipped with adapter)	Φ37.5×123
	4000	2810		4x100ml (It can be equipped with adapter)	Φ37.5×123
	4000	2810		4x2x50ml	Φ29×107
	4000	2810		4x50ml	Φ29×107
	4000	2810		4x8x15ml	Φ17×118
				4x6x15ml	Φ17×118
				4x4x15ml	Φ17×118
NO.2	4200	3500		4x250ml	Φ62×110
NO.3	4000	3040		4×500ml	Φ80×137
NO.4	4000	2800		4×12×7/5ml	Φ13×110
NO.5	4000	2800		4×18×7/5ml	Φ13×110
NO.6	4000	2800		4×24×7/5ml	Φ13×110
NO.7	4000	2000	Microplate Rotor	2×2×96 well plate	Microplate
NO.8	6000	4390	Angle rotor	12×10ml	Φ16×83

Specification

Model		CFG-5BL
Max. Speed		6000r/min
Max. RCF		4390×g
Max.Capacity		4×500mL
Motor		AC frequency conversion motor
Speed Accuracy		±30r/min
Time Setting	Timed centrifugation	1min～99 min59sec
	Continuous centrifugation	Hold
Power Supply		AC220±22V 50/60Hz 10A
Noise		≤60dB(A)
Dimensions(L×D×H)		458mm×620mm×380mm
Net Weight		55kg

Low Speed Centrifuge

CFG-5BSY



Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Rotor Pictures

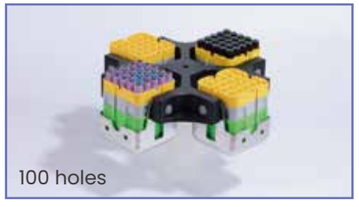

4×7×50ml


4×600ml


4×600ml


4×800ml


12×50ml


100 holes

Specification

Model	CFG-5BSY
Max. Speed	5000rpm
Max. RCF	4730×g
Max. Capacity	4×800ml Swing rotor
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Sound Emission	≤65dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	680*500*385mm
N.W./G.W.	67kg/90kg
Package Dimension	880*580*560mm

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

CFG-5BSY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05254	Swing Rotor	4000rpm	4×25×5/7ml	3360×g	For 2-7ml vacuum tube
No.05207	Swing Rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		500ml falcon
	Adapter		4×250ml(falcon)		250ml falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing Rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing Rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611	Swing Rotor	4000rpm	4×4×96 well	2940×g	Optional
No.05610			4×7×50ml	3470×g	For 50ml falcon tube
No.05213	Swing Rotor	4000rpm	2×5×96 well	3210×g	Optional
No.05629	Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3200×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml tube
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing Rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube
No.05237	Swing Rotor	4000rpm	4×Pasteur milk bottle	3830×g	Pasteur milk bottle
No.05183	Angle Rotor	2000rpm	16×Gabor milk fat meter	896×g	For Gabor milk fat meter
No.05141	Angle Rotor	5000rpm	30×15ml	3830×g	Optional
No.05144	Angle Rotor	5000rpm	12×50ml	3860×g	Optional
No.05145	Angle Rotor	4000rpm	24×50ml	2970×g	Optional
No.05147	Angle Rotor	5000rpm	6×100ml	3130×g	Optional
No.05148	Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Low Speed Centrifuge

CFG-5BY



Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Rotor Pictures

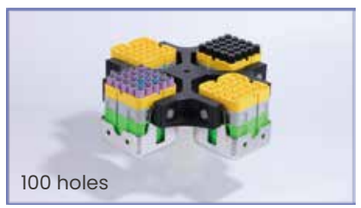

4×7×50ml


4×600ml


4×600ml


4×800ml


12×50ml


100 holes

Specification

Model	CFG-5BY
Max. Speed	5000rpm
Max. RCF	4730×g
Max. Capacity	4×800ml Swing rotor
Timer	1s～99min
Speed Accuracy	±10rpm
Sound Emission	≤65dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	680*500*385mm
N.W./G.W.	67kg/90kg
Package Dimension	880*580*560mm

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, eye-catching red digital LED display, key programming, and parameter modification during operation.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non-directional, fast and simple.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.

CFG-5BY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No. 05254	Swing Rotor	4000rpm	4×25×5/7ml	3360×g	For 2-7ml vacuum tube
No. 05207	Swing Rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		500ml falcon
	Adapter		4×250ml(falcon)		250ml falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No. 05608	Swing Rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No. 05609	Swing Rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No. 05611	Swing Rotor	4000rpm	4×4×96 well	2940×g	Optional
No. 05610			4×7×50ml	3470×g	For 50ml falcon tube
No. 05213	Swing Rotor	4000rpm	2×5×96 well	3210×g	Optional
No. 05629	Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
No. 05630			4×1×100ml	4730×g	Optional
No. 05635		4000rpm	4×2×100ml	3200×g	Optional
No. 05634			4×2×50ml	3200×g	Optional
No. 05631			4×8×15ml	3200×g	For 5-15ml tube
No. 05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No. 05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No. 05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No. 05614	Swing Rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5ml vacuum tube
No. 05615			4×40×7ml vacuum tube	3270×g	For 5ml vacuum tube
No. 05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube
No. 05237	Swing Rotor	4000rpm	4×Pasteur milk bottle	3830×g	Pasteur milk bottle
No. 05183	Angle Rotor	2000rpm	16×Gabor milk fat meter	896×g	For Gabor milk fat meter
No. 05141	Angle Rotor	5000rpm	30×15ml	3830×g	Optional
No. 05144	Angle Rotor	5000rpm	12×50ml	3860×g	Optional
No. 05145	Angle Rotor	4000rpm	24×50ml	2970×g	Optional
No. 05147	Angle Rotor	5000rpm	6×100ml	3130×g	Optional
No. 05148	Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Microcentrifuge, Low Speed

CFG-5D





Available rotors

Cat. No.19500022
5ml adapter, Adapted to 13×75mm blood collection tube



Available rotors

Cat. No.19500023
1.5/2ml Cryogenic Vials/ centrifuge tube adapter

Features:

- Speed range:300-5000rpm;
- Rotor speed can be set and displayed by RPM or G-force;
- Defined program by knob will be stored and activated when power on;
- Two programs P1/P2, easy to start the procedure by one key;
- Two deceleration speeds setting to meet different requirements;
- Easy-to-read processing display and sound alert;
- Automatic lid-lock release after running;
- Maintenance-free brush-less DC motor.

Specification

Model	CFG-5D
Speed Range	300-5000rpm, increment:10rpm
Max. RCF	2600xg, increment: 10g
Speed accuracy	±20rpm
Rotor capacity	6x15mL/10mL/7mL/1.5-5ml
Run Time	30sec-99min, HD (continuous running)
Display	LCD
Programs Memory	2
Acceleration/Deceleration	1↑ 2↓
Safety Devices	Door interlock, Overspeed detector, Automatic internal diagnosis
Motor	Brushless DC motor
Power	Single-phase, 100V-240V,50Hz/60Hz, 70W
Dimension(W×D×H)	300X240X180mm
Weight	5.2kg
Advanced features	Speed/RCF switch; sound-alert function



Bench Top Low Speed Centrifuge

CFG-5DK



Description

The series of centrifuges has new separation technology based on the state of different particles in a centrifugal atmosphere. They are applied for testing and research in the fields of biochemistry, clinical, hospitals and so on.

Product Features

- **Driving:** Drived by maintenance-free brushless DC motor with high torque. It offers fast acceleration and dynamic brake and the powerful vibration absorbers make the motor run more steady

- **Safety Protection:** It contains various safety protections including lid locking and holding during rotor on, over speed, unbalance. The electrical lid lock ensures its safety and reliability during running.

- **Control:** Control of speed and time. Direct set for speed and time is user-friendly.



- **Display:** Controlled by microcomputer with touching pad and visual digital display. The last program is stored automatically and RCF can be directly set.



- **Body Structure:** Premium steel housing for safety and reliability; stainless steel chamber for durability and easy cleaning.

Specification

Model	CFG-5DK
Max Speed	5500r/min
Max RCF	5310×g
Max Capacity	4×500ml
Speed Accuracy	±30r/min
Timer Range	0～99min
Noise	≤58dB
Motor	Brushless DC motor and microcomputer controlled
Power Supply	AC 220V 50Hz 15A
Dimension (W×D×H)	460×590×420mm
Weight	45kg

Rotors & Tubes

Rotor NO.	Max Capacity	Max Speed	Max RCF.	Tube Size
No.52 Swing Rotor	2×2×96 wells	4000r/min	2380×g	Microtitre-plate
No.56 Swing Rotor	4×50/100ml	5500r/min	5310×g	Φ38×124
No.57 Swing Rotor	32×10/15ml	4000r/min	2810×g	Φ16×85-118
No.57 Swing Rotor	32×10/15ml (with windshield)	4000r/min	2810×g	Φ16×85-118
No.61 Swing Rotor	4×250/8×50/36×10ml	4000r/min	3500×g	Φ64×113
No.62 Swing Rotor	4×500/12×50/8×100ml	4000r/min	3580×g	Φ80×140
No.69 Swing Rotor	48/40×5ml	4000r/min	2800×g	Φ14×54
No.76 Swing Rotor	72×5ml	4000r/min	2830×g	Φ14×54
No.77 Swing Rotor	8×50/100ml	4000r/min	2810×g	Φ25×105-115
No.77 Swing Rotor	8×50/100ml	4000r/min	2810×g	Φ25×105-115

Low Speed Centrifuge

CFG-5ES



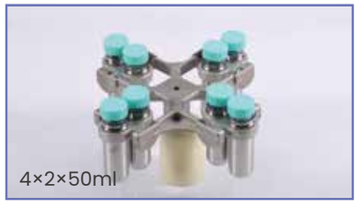
Application

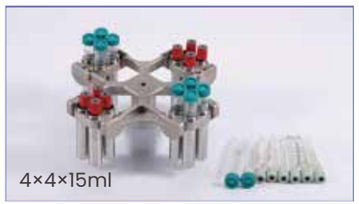
It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Specification

Model	CFG-5ES
Max. Speed	5000rpm
Max. RCF	4420×g
Max. Capacity	4×100ml Swing rotor
Speed Accuracy	±10rpm
Timer	1s～99h59min59s
Sound Emission	≤60dBA
Electricity	AC110/220V, 50/60Hz
External Dimension	530*370*290mm
N.W./G.W.	33kg/38kg
Package Dimension	615*450*390mm

Rotor Pictures


4×2×50ml


4×4×15ml


4×100ml


12×50ml


24×15ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Rise/Fall rate, Rotor No., Door cover status, etc.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No. 05629	Swing rotor	5000rpm	4×1×50ml	4420×g
No. 05630			4×1×100ml	4420×g
No. 05634		4000rpm	4×2×50ml	2820×g
No. 05633			4×4×15ml	2820×g
No. 05632			4×6×10ml	2580×g
No. 05137	Angle rotor	5000rpm	6×15ml	2540×g
No. 05139	Angle rotor	5000rpm	12×15ml	3080×g
No. 05140	Angle rotor	5000rpm	24×15ml	3500×g
No. 05141	Angle rotor	5000rpm	30×15ml	3830×g
No. 05142	Angle rotor	5000rpm	4×50ml	2520×g
No. 05143	Angle rotor	5000rpm	6×50ml	2850×g
No. 05144	Angle rotor	5000rpm	12×50ml	3860×g
No. 05146	Angle rotor	5000rpm	4×100ml	2630×g
No. 05147	Angle rotor	5000rpm	6×100ml	3130×g
No. 05648	Swing rotor	4000rpm	2×2×96 well	2020×g

Low Speed Centrifuge

CFG-5EY



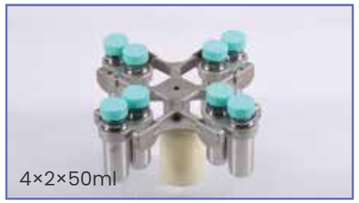
Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Specification

Model	CFG-5EY
Max. Speed	5000rpm
Max. RCF	4420×g
Max. Capacity	4×100ml Swing rotor
Speed Accuracy	±10rpm
Timer	1s～99min
Sound Emission	≤60dBA
Electricity	AC110/220V, 50/60Hz
External Dimension	530*370*290mm
N.W./G.W.	33kg/41.9kg
Package Dimension	620*470*410mm

Rotor Pictures


4×2×50ml


4×4×15ml


4×100ml


12×50ml


24×15ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, overspeed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, eye-catching red digital LED display, key programming, and parameter modification during operation.
- Aero aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.. 05629	Swing rotor	5000rpm	4×1×50ml	4420×g
No. 05630			4×1×100ml	4420×g
No. 05634		4000rpm	4×2×50ml	2820×g
No. 05633			4×4×15ml	2820×g
No. 05632			4×6×10ml	2580×g
No. 05137	Angle rotor	5000rpm	6×15ml	2540×g
No. 05139	Angle rotor	5000rpm	12×15ml	3080×g
No. 05140	Angle rotor	5000rpm	24×15ml	3500×g
No. 05141	Angle rotor	5000rpm	30×15ml	3830×g
No. 05142	Angle rotor	5000rpm	4×50ml	2520×g
No. 05143	Angle rotor	5000rpm	6×50ml	2850×g
No. 05144	Angle rotor	5000rpm	12×50ml	3860×g
No. 05146	Angle rotor	5000rpm	4×100ml	2630×g
No. 05147	Angle rotor	5000rpm	6×100ml	3130×g
No. 05648	Swing rotor	4000rpm	2×2×96 well	2020×g

Low Speed Centrifuge

CFG-6BA



Specification

Model	CFG-6BA
Max. Speed	6000rpm
Max. RCF	4730×g
Max. Capacity	4×400ml Swing rotor
Timer	1s～99min
Speed Accuracy	±10rpm
Sound Emission	≤62dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	610*450*355mm
N.W./G.W.	52kg/72kg
Package Dimension	820*520*540mm

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, eye-catching red digital LED display, key programming, and parameter modification during operation.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.

Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Matched Rotors

Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
Swing Rotor	4000rpm	4×16×5/7ml	2930×g	For 2-7ml vacuum tube
Swing Rotor	4000rpm	4×400ml	3010×g	Optional biosafety cover
Adapter		4×19×5/7ml vacuum tube		For 2-7ml vacuum tube
Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
Adapter		4×9×10/15ml		For 10/15ml tube
Adapter		4×4×50ml		For 50ml tube
Swing Rotor	4000rpm	4×300ml(round)	3180×g	Optional biosafety cover
Adapter		4×10×5/7ml vacuum tube		For 2-7ml vacuum tube
Adapter		4×9×10ml vacuum tube		For 10ml vacuum tube
Adapter		4×7×10/15ml		For 10/15ml tube
Adapter		4×2×50ml		For 50ml tube
Swing Rotor	4000rpm	4×24×5ml vacuum tube	2840×g	For 2-4ml vacuum tube
		4×24×7ml vacuum tube	3140×g	For 5-7ml vacuum tube
		4×18×10ml vacuum tube	3140×g	For 10ml vacuum tube
Swing Rotor	4000rpm	4×250ml(falcon)	3260×g	250ml falcon
		4×250mlAdapter		
Swing Rotor	4000rpm	2×4×96 well	2910×g	Optional
		2×3×48 well	2300×g	Optional
Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
		4×1×100ml	4730×g	Optional
	4000rpm	4×2×100ml	3200×g	Optional
		4×2×50ml	3200×g	Optional
		4×8×15ml	3200×g	Optional
		4×16×5ml vacuum tube	2530×g	For 2-4ml vacuum tube
		4×16×7ml vacuum tube	2890×g	For 5-7ml vacuum tube
		4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
Angle Rotor	2000rpm	12×Gabor milk fat meter	815×g	For Gabor milk fat meter
Angle Rotor	6000rpm	12×15ml	4430×g	Optional
Angle Rotor	5000rpm	24×15ml	3500×g	Optional
Angle Rotor	6000rpm	4×50ml	3620×g	Optional
Angle Rotor	6000rpm	6×50ml	4110×g	Optional
Angle Rotor	5000rpm	12×50ml	3860×g	Optional
Angle Rotor	6000rpm	4×100ml	3790×g	Optional
Angle Rotor	5000rpm	6×100ml	3130×g	Optional
Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Low Speed Centrifuge

CFG-6BAS



Specification

Model	CFG-6BAS
Max. Speed	6000rpm
Max. RCF	4730×g
Max. Capacity	4×400ml Swing rotor
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Sound Emission	≤62dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	610*450*355mm
N.W./G.W.	52kg/72kg
Package Dimension	820*520*540mm

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Matched Rotors

Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
Swing Rotor	4000rpm	4×16×5/7ml	2930×g	For 2-7ml vacuum tube
Swing Rotor	4000rpm	4×400ml	3010×g	Optional biosafety cover
Adapter		4×19×5/7ml vacuum tube		For 2-7ml vacuum tube
Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
Adapter		4×9×10/15ml		For 10/15ml tube
Adapter		4×4×50ml		For 50ml tube
Swing Rotor	4000rpm	4×300ml(round)	3180×g	Optional biosafety cover
Adapter		4×10×5/7ml vacuum tube		For 2-7ml vacuum tube
Adapter		4×9×10ml vacuum tube		For 10ml vacuum tube
Adapter		4×7×10/15ml		For 10/15ml tube
Adapter		4×2×50ml		For 50ml tube
Swing Rotor	4000rpm	4×24×5ml vacuum tube	2840×g	For 2-4ml vacuum tube
		4×24×7ml vacuum tube	3140×g	For 5-7ml vacuum tube
		4×18×10ml vacuum tube	3140×g	For 10ml vacuum tube
Swing Rotor	4000rpm	4×250ml(falcon)	3260×g	250ml falcon
		4×250mlAdapter		
Swing Rotor	4000rpm	2×4×96 well	2910×g	Optional
		2×3×48 well	2300×g	Optional
Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
		4×1×100ml	4730×g	Optional
	4000rpm	4×2×100ml	3200×g	Optional
		4×2×50ml	3200×g	Optional
		4×8×15ml	3200×g	Optional
		4×16×5ml vacuum tube	2530×g	For 2-4ml vacuum tube
		4×16×7ml vacuum tube	2890×g	For 5-7ml vacuum tube
		4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
Angle Rotor	2000rpm	12×Gabor milk fat meter	815×g	For Gabor milk fat meter
Angle Rotor	6000rpm	12×15ml	4430×g	Optional
Angle Rotor	5000rpm	24×15ml	3500×g	Optional
Angle Rotor	6000rpm	4×50ml	3620×g	Optional
Angle Rotor	6000rpm	6×50ml	4110×g	Optional
Angle Rotor	5000rpm	12×50ml	3860×g	Optional
Angle Rotor	6000rpm	4×100ml	3790×g	Optional
Angle Rotor	5000rpm	6×100ml	3130×g	Optional
Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Low Speed Centrifuge

CFG-6BC



Application

It is mainly used in laboratories of biology, medicine, chemistry, physics, etc. It is an ideal instrument for the analysis of serum, plasma, urine, radioimmunoassay, etc.

Feature

- All-steel multi-layer explosion-proof structure, stainless steel centrifugal chamber.
- Maintenance-free DC brushless motor drive, smooth and quiet operation.
- Microcomputer processor precise control, digital display, easy operation, automatic calculation of centrifugal force RCF value, speed and centrifugal force can be switched with each other by one key.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The mute electronic door lock is easy to use and has an emergency door opening function.
- Small size and low cover height, saving laboratory space.
- With door lock, over-speed, imbalance automatic protection, and fault self-diagnosis.

Specification

Model	CFG-6BC
Max. Speed	6000rpm
Max. RCF	3660×g
Max. Capacity	6×100ml
Timer	1s～99min
Speed Accuracy	±10rpm
Sound Emission	≤55dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	470*320*250mm
N.W./G.W.	16kg/18kg
Package Dimension	565*410*340mm

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05137	Angle rotor	6000rpm	6×15ml	3660×g
No.05143	Angle rotor	5000rpm	6×50ml	2850×g
No.05147	Angle rotor	5000rpm	6×100ml	3130×g
No.05139	Angle rotor	5000rpm	12×15ml	3080×g
No.05221	Swing rotor	5000rpm	6×10ml	3460×g

Low Speed Centrifuge

CFG-6JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤25s.
- Countdown function : The countdown in seconds, real time display of remaining working time.
- Can customize 485 communication interface function.
- Sunken exhaust passage prevents aerosol pollution during centrifugation.

Specification

Model	CFG-6JP
Max.Speed	6000rpm
Max.RCF	5502xg
Max.Capacity	500mlx4
Speed Accuracy	±10rpm
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤60dB
Electricity	AC 220V, 50Hz, 10A
Power	400W
Dimension(W*D*H)	610*485*410mm
N.W./G.W.	42kg/77kg
Package Dimension(W*D*H)	770*670*640mm

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
NO1: Swing Rotor Cross	300mlx4	4500rpm	3894xg
	Adapter:250mlx4,100mlx4, 50mlx12 15ml(conical)x28, 10ml Vacuum Tube x40 5ml Vacuum Tube x56, 5mlx76		
NO2: Swing Rotor Cross	500mlx4	4200rpm	3451xg
	Adapter:250mlx4,100mlx12, 50mlx16 15ml(conical)x40, 10ml Vacuum Tube x56 3/5ml Vacuum Tube x68, 5mlx96		
NO3: Cap Remover Swing Rotor Cross	5mlx68	4200rpm	3451xg
	5ml Vacuum Tube x68		
NO4: Cap Remover Swing Rotor Cross	5ml Vacuum Tube x84, 3ml Vacuum Tube x100	4200rpm	3451xg
	50mlx6		
NO5: Angle Rotor	50mlx6	6000rpm	5502xg
NO6: Angle Rotor	96well×2	6000rpm	5502xg
NO7: Microplate	96well×2×2	5000rpm	3530xg
		5000rpm	3530xg

Low Speed Centrifuge

CFG-550JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤25s.
- Countdown function : The countdown in seconds, real time display of remaining working time.
- Can customize 485 communication interface function.
- Sunken exhaust passage prevents aerosol pollution during centrifugation.

Specification

Model	CFG-550JP
Max.Speed	6000rpm
Max.RCF	5502xg
Max.Capacity	750mlx4
Speed Accuracy	±10rpm
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤62dB
Electricity	AC 220V, 50Hz, 10A
Power	600W
Dimension(W*D*H)	640*515*450mm
N.W./G.W.	60kg/83kg
Package Dimension(W*D*H)	750*645*630mm

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
NO1: Swing Rotor Cross	750mlx4	4200rpm	3727xg
	Adapter:500mlx4，250ml（round bottom)x4，250ml(conical)x4, 100mlx12,50ml(conical)x20, 50ml(round bottom)x28, 15ml(conical)x56, 10ml(vacuum tube)x76，3ml/5ml/7ml(vacuum tube)x96,5mlx148		
NO2: Cap Remover Swing Rotor Cross	5mlx96	4200rpm	3727xg
	Adapter: 5mlx96		
NO3: Anti-pollution Swing Rotor Cross	750mlx4	4200rpm	3727xg
	Adapter:500mlx4，250ml（round bottom)x4，100mlx12,50ml(conical)x20, 50ml(round bottom)x28, 15ml(conical)x56, 10ml(vacuum tube)x76，3ml/5ml/7ml(vacuum tube)x96, 5mlx148		
NO4: Swing Rotor Cross (eight claws)	100mlx16	4200rpm	3727xg
	Adapter:100mlx16, 50mlx16, 10mlx64		
NO5: Swing Rotor Cross (honeycomb briquette)	5mlx148	4200rpm	3451xg
	5mlx148		
NO6: Angle Rotor	50mlx6	6000rpm	5502xg
NO7: Microplate	96(deep well plate)×2	5000rpm	3530xg
	96(microplate)×2×2	5000rpm	3530xg
NO8: Microplate	96(deep well plate)×4	4000rpm	3667xg
	96(microplate)×4×2	4000rpm	3667xg

High Speed Centrifuges

CFG-15DP



- Max. Speed: 15,000rpm
- Max. RCF: 21,380×g
- Capacity: 24×1.5/2mL, 36×0.5mL, 4×PCR 8-strip tubes, 12×5mL, 18×5mL
- 9 selectable acceleration and deceleration levels

Application

- It's ideal for centrifugation of temperature-sensitive samples, such as live cells and proteins. It can be used in a multitude of applications, including pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separating antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and fractionating bacterial and yeast cells.

Features



- Magnetic motor lock design allows the centrifuge lid to be closed with one hand.
- Sound alert after centrifugation is completed.
- Up to 9 programs can be stored according to experimental needs.
- Triple-sealed rotor ensures biological safety.
- High-strength aluminum alloy rotor is fully autoclavable at 121 °C.
- Equipped with dynamic balancing detection; imbalance prompts an alert.
- 9 selectable acceleration and deceleration levels; smooth braking for better separation results.
- Five rotor options available, compatible with 0.2mL, 0.5mL, 1.5mL, 2mL, and 5mL centrifuge tubes, as well as 8-strip PCR tubes.
- External condensation tray prevents water buildup inside the centrifuge chamber.

Specification

Model	CFG-15DP
Max. Speed	15,000rpm (200~15,000rpm), increment: 100 rpm
Max. RCF	21,380×g, increment: 10×g
Capacity	24×1.5/2mL, 36×0.5mL, 4×PCR 8-strip tubes, 12×5mL, 18×5mL
Run Time	30s-99min; HOLD (continuous running)
Acceleration/Deceleration Time	25s ↑ 25s ↓
Motor Type	Brushless DC motor
Safety Features	Dual door lock, over-speed detection, over-temperature detection, status self-diagnosis system
Electricity	Single-phase, 200~240V, 50/60Hz, 400W; 100~120V, 50/60Hz, 490W;
Sound Emission	≤64dB
Other Functions	Speed/RCF conversion, Short spin function, Real-time operation progress display, Sound alert, 9 selectable acceleration and deceleration levels, 9 programmable memory slots
External Dimensions (W*D*H)	280*400*240mm
Net Weight	8.8kg

Available rotors



Cat. No.19500001
0.2mL rotor adapter
24 pcs/pk



CAT. NO. 19500002
0.5mL rotor adapter
24pcs/pk



CAT. NO. 19500003
0.2mL rotor adapter
36pcs/pk





Available rotors
CFG-15DP, CFGR-15D











Rotors Model	CAT. NO. 19400069	CAT. NO. 19400070	CAT. NO. 19400071	CAT. NO. 19400072	CAT. NO. 19400073
Max. speed	15000rpm	15000rpm	15000rpm	15000rpm	15000rpm
Max. RCF	21380×g	21380×g	21380×g	21380×g	21380×g
Rotor capacity	2mL/1.5mL×24/0.2mL×24/0.5mL×24	5mL×12(Cone bottom)	0.5mL×36, 0.2mL×36	0.2mL/PCR8×4	5mL×18 (Round bottom)
Rotor material	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy
Bio-safe (Bio sealing)	Yes	Yes	Yes	Yes	Yes
Available rotor adapters	CAT. NO. 19500001, CAT. NO. 19500002	/	Cat. No. 19500003	/	/

High Speed Centrifuge

CFG-16.5B



Description

It is suitable for experiments in biology, medicine, agriculture and other fields, and is the first choice for genetic gene, protein nucleic acid PCR experiments.

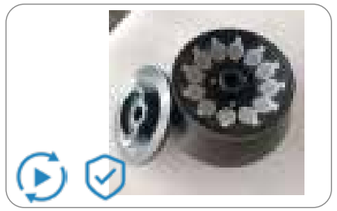
Specification

Model	CFG-16.5B
Max. Speed	16500r/min
Max. RCF	21380×g
Max.Capacity	4×100mL
Speed Accuracy	±30r/min
Time Setting	1min～99min59s
Power Supply	AC 220V 50Hz 16A
Dimensions(L*W*H)	350×495×350mm
Package Dimension (W*D*H)	760*450*540mm
Net Weight	30kg
G.W.	45kg

Advantages



- Display:
  5-inch high-definition touch screen, easy to operate and intuitive display;
- Scheme:
  15 groups of programs can be stored for users to use;
- Performance:
  AC variable frequency motor, high speed control precision, imported environmental protection compressor;
- Convenience:
  Free switching of speed and RCF



- Safety Protection:
  Automatically identify 7 different rotors to eliminate potential safety hazards caused by user misoperation (Optional function)
- Control:
  It has 9 files of acceleration and 10 files of deceleration level, which can effectively prevent secondary suspension and have a good centrifugal effect.



- Safety:
  There are various protections such as overspeed, door protection, imbalance protection, etc. to ensure the safety of human and machine
- Particularity:
  Special air duct to ensure the rotor works under normal temperature;
- Speciality : Airtight rotor, effectively prevent aerosols

Rotor(optional)

Rotor Type	Max Speed(rpm)	Max RCF(g)	Max Capacity	Dimension of Centrifugual Tube
Angle Rotor	13000	19080	48×0.5mL	Φ8×32
Angle Rotor	16500	18400	12×1.5/2mL	Φ10×42
Angle Rotor	15000	21380	24×1.5/2mL	Φ10×42
Angle Rotor	13000	19270	32×1.5/2mL	Φ10×42
Angle Rotor	12000	10100	12×5mL	Φ14×54
Angle Rotor	12500	16060	12×10mL	Φ16×87
Angle Rotor	12000	15370	8×15mL	Φ17×121
Angle Rotor	12000	13120	6×50mL	Φ29×105
Angle Rotor	12000	13120	6×50mL(falcon tube)	Φ29×105
Angle Rotor	10000	10620	4×100mL	Φ38×125
Swing Rotor(microplate)	4000	2000	2×2×48well	

High Speed Centrifuge

CFG-16BY



Application

It is is suitable for room temperature centrifugal purification and concentration tests of intracellular chemicals, microorganisms, viruses, subcellular cells, bacterial bodies, etc. in animal and plant molecular biology.

Specification

Model	CFG-16BY
Max. Speed	16000rpm
Max. RCF	20600×g
Max. Capacity	6×100ml Angle rotor
Timer	1s～99min
Speed Accuracy	±10rpm
Sound Emission	≤62dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	510*370*320mm
N.W./G.W.	42kg/50kg
Package Dimension	715*435*420mm

Rotor Pictures


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, eye-catching red digital LED display, key programming, and parameter modification during operation.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple .
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05106	Angle rotor	14000rpm	40×0.5ml	19970×g
No.05101	Angle rotor	16000rpm	12×1.5/2ml	17940×g
No.05102	Angle rotor	15000rpm	24×1.5/2ml	20600×g
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g
No.05107	Angle rotor	15000rpm	16×5ml	19350×g
No.05108	Angle rotor	14000rpm	12×7ml	16370×g
No.05109	Angle rotor	14000rpm	6×10ml	16460×g
No.05110	Angle rotor	12000rpm	12×10ml	14510×g
No.05113	Angle rotor	11000rpm	8×15ml	12730×g
No.05114	Angle rotor	10000rpm	12×15ml	11840×g
No.05116	Angle rotor	12000rpm	8×20ml	14510×g
No.05117	Angle rotor	12000rpm	6×30ml	14000×g
No.05120	Angle rotor	11000rpm	6×50ml	13480×g
No.05122	Angle rotor	7000rpm	8×50ml	6190×g
No.05128	Angle rotor	10000rpm	4×100ml	10310×g
No.05129	Angle rotor	10000rpm	6×100ml	11380×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05224	Swing rotor	15000rpm	4×5ml	19920×g
No.05216	Swing rotor	4000rpm	2×3×48 well	2300×g

High Speed Centrifuge

CFG-16D

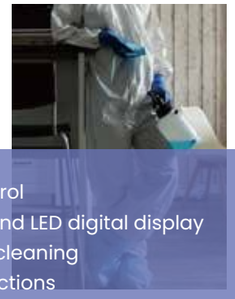


Description

This series of centrifuges is a conventional laboratory centrifuge. They are applicable for the tests with small samples, many processes, large centrifugal force and little temperature requirement. They are widely used in the fields of biochemistry, genetic engineering, agriculture, farming, food safety, medicine and so on. Bench top low speed centrifuges for micro samples' fast separation and synthesis.









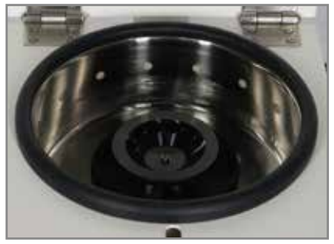
- Microcomputer control
- With touching pad and LED digital display
- Durability and easy cleaning
- Various safety protections
- Safety and reliability during running

Advantages

- **Driving**: Drived by maintenance-free brushless DC motor with high torque. It offers fast acceleration and dynamic brake and the powerful vibration absorbers make the motor run more steady.
- **Display**: Controlled by microcomputer with touching pad and LED digital display. The last program is stored automatically and RCF can be directly set.
- **Body Structure**: Premium steel housing for safety and reliability; stainless steel chamber for durability and easy cleaning.
- **Safety Protection**: Rotor recognition system. (Optional function) It contains various safety protections including lid locking and holding during rotor on, over speed, over temp., unbalance. The electronic lock ensures its safety and reliability during running.







Specification

Model	CFG-16D
Max. Speed	16000 r/min
Max. RCF	17800×g
Max. Capacity	8×5ml
No.16 Angle Rotor	18×0.5ml(16000r/min)RCF:17800×g
No.17 Angle Rotor	12×1.5/2.0ml(16000r/min)RCF:17800×g
No.26 Angle Rotor	8×5ml(13000r/min)RCF:10000×g
Speed Accuracy	±30r/min
Time Range	0～99min
Sound Emission	≤58dB
Motor	Brushless DC motor and microcomputer controlled
Electricity	AC 220V 50Hz 8A
Dimension (W*D*H)	330*280*215mm
Weight	15Kg

High Speed Centrifuge

CFG-16SY



Application

It is is suitable for room temperature centrifugal purification and concentration tests of intracellular chemicals, microorganisms, viruses, subcellular cells, bacterial bodies, etc. in animal and plant molecular biology.

Specification

Model	CFG-16SY
Max. Speed	16000rpm
Max. RCF	20600×g
Max. Capacity	6×100ml Angle rotor
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Sound Emission	≤62dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	510*370*320mm
N.W./G.W.	42kg/50kg
Package Dimension	715*435*420mm

Rotor Pictures


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero forged aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05106	Angle rotor	14000rpm	40×0.5ml	19970×g
No.05101	Angle rotor	16000rpm	12×1.5/2ml	17940×g
No.05102	Angle rotor	15000rpm	24×1.5/2ml	20600×g
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g
No.05107	Angle rotor	15000rpm	16×5ml	19350×g
No.05108	Angle rotor	14000rpm	12×7ml	16370×g
No.05109	Angle rotor	14000rpm	6×10ml	16460×g
No.05110	Angle rotor	12000rpm	12×10ml	14510×g
No.05113	Angle rotor	11000rpm	8×15ml	12730×g
No.05114	Angle rotor	10000rpm	12×15ml	11840×g
No.05116	Angle rotor	12000rpm	8×20ml	14510×g
No.05117	Angle rotor	12000rpm	6×30ml	14000×g
No.05120	Angle rotor	11000rpm	6×50ml	13480×g
No.05122	Angle rotor	7000rpm	8×50ml	6190×g
No.05128	Angle rotor	10000rpm	4×100ml	10310×g
No.05129	Angle rotor	10000rpm	6×100ml	11380×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05224	Swing rotor	15000rpm	4×5ml	19920×g
No.05216	Swing rotor	4000rpm	2×3×48 well	2300×g

High Speed Centrifuge

CFG-18.5JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- Braking function that can effectively prevent samples from being resuspended and protect sensitive samples.
- Multi-stage damping design ensures the best sample centrifugation effect.
- Countdown function: Countdown in seconds and display remaining working time in real time.
- Automatically recognizes the magnetic rotor, no need to manually set the rotor model, and has overspeed protection.
- The rotor can be autoclaved at 121°C for more than 2 hours. Airtight angle rotor with high biological safety.

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
H0.136	Blood Capillary L75mmx36 tube	12000rpm	16904xg
H0.232	0.2mlx4x8tube	13500rpm	14059xg
H0.264	0.2mlx8x8tube	13000rpm	14926xg
H0.512	0.5mlx12	18800rpm	18967xg
H0.524	0.5mlx24	18800rpm	26870xg
H0.548	0.5mlx48	13000rpm	14737xg
H0212	1.5/2.2mlx12	18800rpm	26870xg
H0224	1.5/2.2mlx24	15800rpm	24365xg
H0312	3mlx12 Vacuum test tube	8000rpm	4866xg
H0512	5mlx12	16000rpm	19462xg
H0712	5mlx12 Vacuum test tube	8000rpm	7119xg
H1012	10mlx12	13500rpm	17645xg
H0612	5mlx12 Cryogenic vials	13000rpm	16155xg

Specification

Model	CFG-18.5JP
Max.Speed	18800rpm
Max.RCF	26870xg
Max.Capacity	10mlx12
Speed Accuracy	±10rpm
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤58dB
Electricity	AC 220V, 50Hz, 10A
Power	400W
Dimension(W*D*H)	426*322*340mm
N.W./G.W.	28kg/31kg
Package Dimension(W*D*H)	490*430*480mm

High Speed Centrifuge

CFG-21BY



Application

The high speed centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular component separation, clinical test sample processing, blood, suitable for medical, life sciences, biopharmaceutical, agricultural sciences, environmental protection and other scientific research units, as well as universities and colleges.

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, eye-catching red digital LED display, key programming, and parameter modification during operation.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- 10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.
- There will be a sound signal prompt at the end of each process.
- There will be a corresponding error code when there is an error during operation.
- There is a continuous operation mode.

Rotor Pictures


4×7×50ml


4×800ml


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Specification

Model	CFG-21BY
Max. Speed	21000rpm
Max. RCF	30910×g
Max. Capacity	4×800ml Swing Rotor
Timer	1～99min
Speed Accuracy	±10rpm
Sound Emission	≤68dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	680*500*385mm
N.W./G.W.	67kg/90kg
Package Dimension	880*580*560mm

CFG-21BY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05106	Angle rotor	15000rpm	40×0.5ml	22930×g	Optional
No.05101	Angle rotor	21000rpm	12×1.5/2ml	30910×g	Optional
No.05102	Angle rotor	18000rpm	24×1.5/2ml	29670×g	Optional
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g	Optional
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g	Optional
No.05107	Angle rotor	16000rpm	16×5ml	22020×g	Optional
No.05108	Angle rotor	16000rpm	12×7ml	21380×g	Optional
No.05109	Angle rotor	16000rpm	6×10ml	21500×g	Optional
No.05110	Angle rotor	15000rpm	12×10ml	22680×g	Optional
No.05113	Angle rotor	13000rpm	8×15ml	17790×g	Falcon
No.05114	Angle rotor	10000rpm	12×15ml	11840×g	Falcon
No.05116	Angle rotor	12000rpm	8×20ml	14510×g	Optional

CFG-21BY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05117	Angle rotor	14000rpm	6×30ml	19060×g	Optional
No.05120	Angle rotor	13000rpm	6×50ml	18840×g	Optional
No.05122	Angle rotor	8000rpm	8×50ml	8090×g	Optional
	Angle rotor	5000rpm	12×50ml	3860×g	
	Angle rotor	5000rpm	24×50ml	4640×g	
No.05128	Angle rotor	12000rpm	4×100ml	14850×g	Optional
No.05129	Angle rotor	12000rpm	6×100ml	16390×g	Optional
No.05131	Angle rotor	8000rpm	4×250ml	9090×g	Optional
No.05132	Angle rotor	7000rpm	6×250ml	8050×g	Optional
No.05607	Swing rotor	4000rpm	4×25×5/7ml	3450×g	For 2-7ml vacuum tube
	Swing rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		Falcon
	Adapter		4×250ml(falcon)		Falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611	Swing rotor	4000rpm	4×4×96 well	2940×g	Optional
No.05610			4×7×50ml	3470×g	Falcon
No.05629	Swing rotor	5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3020×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5-7ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5-7ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube

High Speed Centrifuge

CFG-21SY



Application

The high speed centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular component separation, clinical test sample processing, blood, suitable for medical, life sciences, biopharmaceutical, agricultural sciences, environmental protection and other scientific research units, as well as universities and colleges.

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Aero aluminum rotors (except multi-tube frame rotors) and various Teflon adapters are available.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

Rotor Pictures


4×7×50ml


4×800ml


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Specification

Model	CFG-21SY
Max. Speed	21000rpm
Max. RCF	30910×g
Max. Capacity	4×800ml Swing rotor
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Sound Emission	≤68dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	680*500*385mm
N.W./G.W.	67kg/90kg
Package Dimension	880*580*560mm

CFG-21SY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05106	Angle rotor	15000rpm	40×0.5ml	22930×g	Optional
No.05101	Angle rotor	21000rpm	12×1.5/2ml	30910×g	Optional
No.05102	Angle rotor	18000rpm	24×1.5/2ml	29670×g	Optional
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g	Optional
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g	Optional
No.05107	Angle rotor	16000rpm	16×5ml	22020×g	Optional
No.05108	Angle rotor	16000rpm	12×7ml	21380×g	Optional
No.05109	Angle rotor	16000rpm	6×10ml	21500×g	Optional
No.05110	Angle rotor	15000rpm	12×10ml	22680×g	Optional
No.05113	Angle rotor	13000rpm	8×15ml	17790×g	Falcon
No.05114	Angle rotor	10000rpm	12×15ml	11840×g	Falcon
No.05116	Angle rotor	12000rpm	8×20ml	14510×g	Optional

CFG-21SY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05117	Angle rotor	14000rpm	6×30ml	19060×g	Optional
No.05120	Angle rotor	13000rpm	6×50ml	18840×g	Falcon/Round
No.05122	Angle rotor	8000rpm	8×50ml	8090×g	Falcon/Round
No.05128	Angle rotor	12000rpm	4×100ml	14850×g	Optional
No.05129	Angle rotor	12000rpm	6×100ml	16390×g	Optional
No.05131	Angle rotor	8000rpm	4×250ml	9090×g	Optional
No.05132	Angle rotor	7000rpm	6×250ml	8050×g	Optional
No.05607	Swing rotor	4000rpm	4×25×5/7ml	3450×g	For 2-7ml vacuum tube
	Swing rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×250ml(falcon)		Falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml		For 2-7ml vacuum tube
	Adapter		4×16×10ml		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611	Swing rotor	4000rpm	4×4×96 well	2940×g	Optional
No.05610			4×7×50ml	3470×g	Falcon
No.05629		5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3020×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube

High Speed Centrifuge

CFG-21JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤15s.[H0.512]
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The rotor can be autoclaved at 121℃ for more than 2 hours, airtight angle rotor with high biological safety.
- Can customize 485 communication interface function.

Specification

Model	CFG-21JP
Max.Speed	21000rpm
Max.RCF	30410xg
Max.Capacity	100mlx6
Speed Accuracy	±10rpm
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤58dB
Electricity	AC 220V, 50Hz, 10A
Power	700W
Dimension(W*D*H)	485*370*390mm
N.W./G.W.(kg)	37kg/45kg
Package Dimension (W*D*H) (mm)	620*540*600mm

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
H0.136	Blood Capillary L75mmx36tube	14500rpm	24681xg
H0.232	0.2mlx4x8tube	14500rpm	16219xg
H0.264	0.2mlx8x8tube	13000rpm	14926xg
H0.512	0.5mlx12	21000rpm	23666xg
H0.524	0.5mlx24	20000rpm	30410xg
H0.548	0.5mlx48	16000rpm	22324xg
H0212	1.5/2.2mlx12	20000rpm	30410xg
H0224	1.5/2.2mlx24	17500rpm	29890xg
H0236	1.5/2.2mlx36	16000rpm	25473xg
H0248	1.5/2.2mlx48	15500rpm	26672×g
H0312	3mlx12 Vacuum Test Tube	8000rpm	4866×g
H0324	3mlx24 Vacuum Test Tube	7000rpm	4821×g
H0512	5mlx12	17000rpm	21971×g
H0524	5mlx24	13500rpm	17115×g
H0712	5mlx12 Vacuum Test Tube	8000rpm	7119×g
H0724	5mlx24 Vacuum Test Tube	7000rpm	5259xg
H1012	10mlx12	14500rpm	20356xg
H1024	10mlx24	12500rpm	16770xg
H1508	15mlx8	13000rpm	17572xg
H3006	30mlx6	14500rpm	21155xg
H5006	50mlx6	12500rpm	17346xg
H5008	50mlx8	12000rpm	16904xg
H1004	100mlx4	12000rpm	16904xg
H1006	100mlx6	12000rpm	16904xg
NO1 Swing Rotor Cross	10mlx12	5000rpm	3913xg
NO2 Swing Rotor Cross	50mlx4	5000rpm	3913xg
NO3 Swing Rotor Cross	100mlx4	5000rpm	3913xg
NO4 Microplate	48wellx2x2	5000rpm	2432xg

Benchtop
Low Speed Refrigerated Centrifuge

CFGR-5BL



Description

It is widely used in clinical, biology, genetic engineering, immunology and other fields, and is suitable for separation of solutions such as radioimmunity, water treatment, biology, chemistry, biopharmaceutical, blood product, etc.

Specification

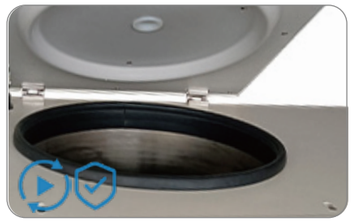
Model		CFGR-5BL
Max. Speed		6000r/min
Max. RCF		4390×g
Max.Capacity		4×750mL
Motor		AC frequency conversion motor
Speed Accuracy		±30r/min
Time Setting	Timed centrifugation	Timed centrifugation：1min～99 min59sec
	Continuous centrifugation	Continuous centrifugation: Hold
Temperature Setting		-20℃～+40℃
Temperature Accuracy		±1.0℃
Power Supply		AC220±22V 50/60Hz 16A
Noise		< 60dB(A)
Dimensions(L×D×H)(mm)		720×743×410(mm)
N.W.(kg)/G.W.(kg)		110kg/125kg
Package Dimension (W*D*H)(mm)		960*810*600(mm)

Advantages



- 5-inch high-definition touch screen, easy to operate and intuitive display
- 15 groups of programs can be stored for users to use;

- Automatically identify 4different rotors to eliminate potential safety hazards caused by user misoperation (Optional function)
- AC variable frequency motor, high speed control precision, imported environmental protection compressor;



- Free switching of speed and RCF;
- It has 9 files of acceleration and10 files of deceleration level， which can effectively prevent secondary suspension and have a good centrifugal effect.
- There are various protections such as overspeed, door protection, imbalanceprotection, etc. to ensure the safety of human and machine;

Rotor

NO.	Max speed (r/min)	Max RCF(×g)	Rotor Type	Capacity	Dimension of TestTube (mm)
NO.1	4000	2810	Swing Rotor	4x2x100ml (It can be equipped with adapter)	Φ37.5×123
	4000	2810		4x100ml (It can be equipped with adapter)	Φ37.5×123
	4000	2810		4x2x50ml	Φ29×107
	4000	2810		4x50ml	Φ29×107
	4000	2810		4x8x15ml	Φ17×118
				4x6x15ml	Φ17×118
				4x4x15ml	Φ17×118
NO.2	4200	3500		4x250ml	Φ62×110
NO.3	4000	3040		4×500ml	Φ80×137
NO.4	4000	3180		4×750ml	Φ99×130
NO.5	4000	2000	Microplate Rotor	2×2×96 well plate	Microplate
NO.6	5500	3170	Angle Rotor	6×50ml	Φ29×120
NO.7	6000	4390	Angle Rotor	12×10ml	Φ16×83

Low Speed Refrigerated Centrifuge

CFGR-5ES



Application

It is used in medicine, biochemistry, biological products, pharmaceutical industries, etc. to perform separation, precipitation, extraction and other experiments under low temperature conditions.

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Temperature, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Specification

Model	CFGR-5ES
Max. Speed	5000rpm
Max. RCF	4420×g
Max. Capacity	4×100ml Swing Rotor
Temperature Range	-20℃～40℃
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤60dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	590*570*340mm
N.W./G.W.	76kg/100kg
Package Dimension	820*660*510mm

Rotor Pictures





Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05629	Swing rotor	5000rpm	4×1×50ml	4420×g
No.05630			4×1×100ml	4420×g
No.05634		4000rpm	4×2×50ml	2820×g
No.05633			4×4×15ml	2820×g
No.05632			4×6×10ml	2580×g
No.05137	Angle rotor	5000rpm	6×15ml	2540×g
No.05139	Angle rotor	5000rpm	12×15ml	3080×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05141	Angle rotor	5000rpm	30×15ml	3830×g
No.05142	Angle rotor	5000rpm	4×50ml	2520×g
No.05143	Angle rotor	5000rpm	6×50ml	2850×g
No.05144	Angle rotor	5000rpm	12×50ml	3860×g
No.05146	Angle rotor	5000rpm	4×100ml	2630×g
No.05147	Angle rotor	5000rpm	6×100ml	3130×g
No.05648	Swing rotor	4000rpm	2×2×96 well	2020×g

Low Speed Refrigerated Centrifuge

CFGR-5EY



Application

It is used in medicine, biochemistry, biological products, pharmaceutical industries, etc. to perform separation, precipitation, extraction and other experiments under low temperature conditions.

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, LED display, and key programming; Real time and simultaneous display of rotor No., Program number, Speed/RCF, Time, Temperature, and Acceleration/Deceleration gear; Parameters can also be modified during operation.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Can store and call 10 sets of programs, with 10 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Specification

Model	CFGR-5EY
Max. Speed	5000rpm
Max. RCF	4420×g
Max. Capacity	4×100ml Swing Rotor
Temperature Range	-20℃～40℃
Timer	1min～99h59min
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤60dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	590*570*340mm
N.W./G.W.	76kg/100kg
Package Dimension	820*660*510mm

Rotor Pictures





Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05629	Swing rotor	5000rpm	4×1×50ml	4420×g
No.05630			4×1×100ml	4420×g
No.05634		4000rpm	4×2×50ml	2820×g
No.05633			4×4×15ml	2820×g
No.05632			4×6×10ml	2580×g
No.05137	Angle rotor	5000rpm	6×15ml	2540×g
No.05139	Angle rotor	5000rpm	12×15ml	3080×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05141	Angle rotor	5000rpm	30×15ml	3830×g
No.05142	Angle rotor	5000rpm	4×50ml	2520×g
No.05143	Angle rotor	5000rpm	6×50ml	2850×g
No.05144	Angle rotor	5000rpm	12×50ml	3860×g
No.05146	Angle rotor	5000rpm	4×100ml	2630×g
No.05147	Angle rotor	5000rpm	6×100ml	3130×g
No.05648	Swing rotor	4000rpm	2×2×96 well	2020×g

Low Speed Refrigerated Centrifuge

CFGR-5MY



Application

It is used in medicine, biochemistry, biological products, pharmaceutical industries, etc. to perform separation, precipitation, extraction and other experiments under low temperature conditions.

Specification

Model	CFGR-5MY
Max. Speed	5000rpm
Max. RCF	4730×g
Max. Capacity	4×800ml Swing rotor
Temperature Range	-20℃～40℃
Timer	1min～99h59min
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤65dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	675*725*400mm
N.W./G.W.	118kg/148kg
Package Dimension	930*830*580mm

Rotor Pictures


4×7×50ml


4×24×7ml


4×600ml


4×800ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, LED display, and key programming; Real time and simultaneous display of rotor No., Program number, Speed/RCF, Time, Temperature, and Acceleration/Deceleration gear; Parameters can also be modified during operation.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Can store and call 10 sets of programs, with 10 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.

CFGR-5MY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05254	Swing Rotor	4000rpm	4×25×5/7ml	3450×g	For 2-7ml vacuum tube
No.05207	Swing Rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		250ml falcon
	Adapter		4×250ml(falcon)		250ml falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing Rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing Rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611	Swing Rotor	4000rpm	4×4×96 well	2940×g	Optional
No.05610			4×7×50ml	3470×g	For 50ml falcon tube
No.05612			4×600ml(oval)	3530×g	200-500ml Blood Bag
No.05213	Swing Rotor	4000rpm	2×5×96 well	3210×g	Optional
No.05629	Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3200×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml tube
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing Rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube
No.05237	Swing Rotor	4000rpm	4×Pasteur milk bottle	3830×g	Pasteur milk bottle
No.05183	Angle Rotor	2000rpm	16×Gabor milk fat meter	896×g	For Gabor milk fat meter
No.05141	Angle Rotor	5000rpm	30×15ml	3830×g	Optional
No.05144	Angle Rotor	5000rpm	12×50ml	3860×g	Optional
No.05145	Angle Rotor	4000rpm	24×50ml	2970×g	Optional
No.05148	Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Low Speed Refrigerated Centrifuge

CFGR-5SY



Application

The low speed refrigerated centrifuge is used in the medical, biochemical, biological products, pharmaceutical industry, and other industries for large-scale separation, precipitation, extraction and other experiments at low temperatures.


4×7×50ml


4×24×7ml


4×600ml


4×800ml

Specification

Model	CFGR-5SY
Max. Speed	5000rpm
Max. RCF	4730×g
Max. Capacity	4×800ml Swing rotor
Temperature Range	-20℃～40℃
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤65dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	675*725*400mm
N.W./G.W.	118kg/148kg
Package Dimension	930*830*580mm

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Temperature, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

CFGR-5SY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05254	Swing Rotor	4000rpm	4×25×5/7ml	3450×g	For 2-7ml vacuum tube
No.05207	Swing Rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		500ml falcon
	Adapter		4×250ml(falcon)		250ml falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing Rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing Rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611			4×4×96 well	2940×g	Optional
No.05610	Swing Rotor	4000rpm	4×7×50ml	3470×g	For 50ml falcon tube
No.05612			4×600ml(oval)	3530×g	200-500ml Blood Bag
No.05213	Swing Rotor	4000rpm	2×5×96 well	3210×g	Optional
No.05629	Swing Rotor	5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3200×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml tube
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing Rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube
No.05237	Swing Rotor	4000rpm	4×Pasteur milk bottle	3830×g	Pasteur milk bottle
No.05183	Angle Rotor	2000rpm	16×Gabor milk fat meter	896×g	For Gabor milk fat meter
No.05141	Angle Rotor	5000rpm	30×15ml	3830×g	Optional
No.05144	Angle Rotor	5000rpm	12×50ml	3860×g	Optional
No.05145	Angle Rotor	4000rpm	24×50ml	2970×g	Optional
No.05148	Angle Rotor	4000rpm	12×100ml	2970×g	Optional

Low Speed Refrigerated Centrifuge

CFGR-6DL



Description

This series of centrifuges is advanced and intelligent, featuring large capacity and precise temperature control. It is widely used in scientific research and development in fields such as biochemistry, medical and health care, food safety, agricultural and forestry sciences, blood banks and blood stations, biopharmaceuticals, and pharmaceutical products.



Features

Drive:
Driven by an AC variable frequency motor. It features a "SOFT" brake function to prevent sample resuspension.

Display:
Intelligent control via touch screen; operating parameters are automatically memorized, and RCF can be set directly.

Refrigeration:
Adopts imported CFC-free compressor unit and control valve, featuring low vibration, rapid cooling, low noise, and meeting environmental protection requirements.





Features

Rotor:
Features a standby cooling function. The rotor is autoclavable (121°C for 20 minutes).

Body Structure:
Premium steel housing and stainless steel chamber.

Safety Protection:
Rotor recognition system (optional) and electronic safety door lock; features multiple protections including lid lock, over-speed, and imbalance.

Control:
10 acceleration/deceleration rates; over 30 custom operating modes can be saved. Inching and short-spin functions support diverse centrifugation applications.

Specification

Model	CFGR-6DL
Max. Speed	6000r/min
Max. RCF	6680×g
Max. Capacity	6×1000ml
No.38 Angle Rotor	6×500ml (6000 r/min), RCF: 6680×g
No.70 Swing Rotor	6×1000ml (4300 r/min), RCF: 5250×g (Round bucket)
No.70 Swing Rotor	6×1000ml (4300 r/min), RCF: 5250×g (Square bucket)
Speed Accuracy	±20r/min
Timer Range	0～99h59min
Temperature Range	-20℃～40℃
Temperature Accuracy	±1℃
Compressor	High-performance compressor with CFC-free refrigerant
Noise	≤58dB
Motor	Variable frequency motor, microprocessor control
Power Supply	AC 220V/50Hz, 35A
External Dimensions	725*940*970mm
Net Weight	268kg

Low Speed Refrigerated Centrifuge

CFGR-6JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
NO1: Swing Rotor Cross	750mlx4	4200rpm	3727xg
	Adapter:500mlx4，250ml（round bottom)x4，250ml(conical)x4, 100mlx12,50ml(conical)x20, 50ml(round bottom)x28, 15ml(conical)x56, 10ml(vacuum tube)x76，3ml/5ml/7ml(vacuum tube)x96，5mlx148		
NO2: Cap Remover Swing Rotor Cross	5mlx96	4200rpm	3727xg
	Adapter: 5mlx96		
NO3: Anti-pollution Swing Rotor Cross	750mlx4	4200rpm	3727xg
	Adapter:500mlx4，250ml（round bottom)x4， 100mlx12,50ml(conical)x20, 50ml(round bottom)x28, 15ml(conical)x56, 10ml(vacuum tube)x76，3ml/5ml/7ml(vacuum tube)x96, 5mlx148		
NO4: Swing Rotor Cross (honeycomb briquette)	5mlx148	4200rpm	3648xg
	5mlx148		
NO5: Angle Rotor	50mlx6	6000rpm	5502xg
NO6: Microplate	96well×2	5000rpm	3530xg
	96well×2×2	5000rpm	3530xg
NO7: Microplate	96well×4	4000rpm	3667xg
	96well×4×2	4000rpm	3667xg

Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤25s.
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4 ℃of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.
- Can customize 485 communication interface function.

Specification

Model	CFGR-6JP
Max.Speed	6000rpm
Max.RCF	5502xg
Max.Capacity	750mlx4
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Temp.Accuracy	±1℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤62dB
Electricity	AC 220V, 50Hz, 15A
Power	2000W
Dimension(W*D*H)	750*590*890mm
N.W./G.W.	120kg/160kg
Package Dimension(W*D*H)	830*700*1080mm

Refrigerated Centrifuge, Large Capacity

CFGR-6Y



Application

It is widely used in blood stations, pharmaceutical factories, biochemistry, biological products and other production and scientific research units, and is also an ideal instrument for blood separation, protein precipitation, and cell separation and collection.

Features

Accurate speed control

High torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.

The flexible shaft drive system directly drives the rotor to protect the motor, with precise speed control, stable operation, low vibration and low noise.

Precise temperature control using "Automatic thermostatic control system regulation technology".

Adopt imported custom-made CFC-free compressor unit, high-quality copper tube wrapped in centrifugal cavity, full tin welding technology, double-circulation pipeline, improve refrigeration efficiency



Ergonomic and structural design

All-steel structure, 304 stainless steel centrifugal chamber, multi-layer protection design; three-stage vibration reduction, automatic balance function.

The door cover of the instrument is equipped with double hydraulic rods to reduce the operation load; the front operation panel, the door cover is opened backwards, which comfortable to operate.

Precise control by microcomputer processor, eye-catching red digital display, button programming;



High safety and reliability

Induction automatic electric suction door lock, and emergency door opening device; self-check and protection of door lock, over-speed, over-temperature, unbalance, etc., safe and reliable.

Aeronautical aluminum rotor, surface anti-corrosion, hardening treatment, high strength, fast heat conduction, improve experimental efficiency and protect sample temperature.

10 sets of common programs can be stored and recalled, 10 sets of acceleration rates and 10 sets of deceleration rates for users to choose flexibly to achieve the best centrifugal effect.



Specification

Model	CFGR-6Y
Max.Speed	6000r/min
Max. RCF	6600×g
Max.Capacity	6×1000ml
Speed Accuracy	±10r/min
Temperature Range	-20℃～40℃
Temperature Accuracy	±1℃
Timer	1min～9h59min
Sound Emission	≤65dBA
Electricity	AC220/110V, 50/60Hz
Dimension(L*D*H)	800×740×930mm
Net Weight	310kg
Package Dimension(L*D*H)	1000×880×1350mm

Matched Rotors

Rotors No.	Rotor type	Max. Speed	Max. Volume	Max.RCF
No.05605	Swing Rotor	4200 rpm	6×1000ml（Round cup）	5100×g
No.05606	Swing Rotor	4200 rpm	6×1000ml（Oval cup）	5100×g
	Optional Blood bag adapter(12 bags of 200ml blood bags or 6 bags of 400-500ml blood bags)			
No.05161	Angle rotor	6000 rpm	6×500ml	6600×g

Low Speed Refrigerated Centrifuge

CFGR-B550JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Specification

Model	CFGR-B550JP
Max.Speed	6000rpm
Max.RCF	5502xg
Max.Capacity	300mlx4
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Temp.Accuracy	±1℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤60dB
Electricity	AC 220V, 50Hz, 15A
Power	1500W
Dimension(W*D*H)	570*615*504mm
N.W./G.W.	95kg/130kg
Package Dimension(W*D*H)	790*790*670mm

Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤25s.
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4 ℃of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.
- Can customize 485 communication interface function.

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
NO1: Swing Rotor Cross	300mlx4	4500rpm	3645xg
	Adapter:250mlx4,100mlx4, 50mlx12 10ml Vacuum Tube x40, 15ml(conical)x20 3/5/7ml Vacuum Tube x56, 5mlx76(RIA tube)		
NO2: Swing Rotor Cross	100mlx4	4500rpm	3645xg
	Adapter: 100mlx4, 50mlx8, 10ml Vacuum Tube x32		
NO3: Low Speed Angle Rotor	50mlx6	6000rpm	5502xg
Microplate	96well×2	5000rpm	3530xg
	96well×2×2	5000rpm	3530xg

Low Speed Refrigerated Centrifuge

CFGR-8DL



Description

Featuring an ultra-large capacity design of 14.4 L, this series of centrifuges can process 12 bags of 400–500 mL whole blood at one time to ensure high production efficiency.

It is widely used in blood centers, pharmaceuticals, biological products, and other industries.

Features

- **Drive:** Driven by an AC variable-frequency motor. Equipped with a SOFT braking function to prevent sample resuspension.
- **Speed Control:** Takes 14 seconds to accelerate to the maximum speed, and 15 seconds to decelerate from the maximum speed to zero.
- **Display:** Intelligent control with a touch panel and dual LCD/LED display. Operating parameters are automatically memorized, and RCF can be set directly.
- **Refrigeration:** Utilizes an imported CFC-free compressor unit and control valve, featuring low vibration, rapid cooling, and low noise, while meeting environmental protection standards.
- **Rotor:** Features a standby cooling function. Rotors are autoclavable (121°C, 20 minutes).
- **Body Structure:** Premium steel housing and stainless steel chamber.
- **Safety:** Rotor identification function (optional), electronic safety door lock, and multiple protection features against lid opening, overspeed, and imbalance.
- **Control:** 10 acceleration and deceleration rates, storage for 40 custom operating modes; inching/short-spin function supports diverse centrifugation applications.

Compatible Rotors and Tubes

Rotor No.	Max. Capacity	Max. Speed	Max. RCF	Tube Dimensions
No.1 Angle Rotor	6×500 mL	8000 rpm	11680×g	Φ74×168 mm
No.2 Angle Rotor	6×1000 mL	7200 rpm	12166×g	Φ97×175 mm
No.3 Swinging Rotor	6×2400 mL	4200 rpm	6130×g	24 × 200 mL quadruple blood bags
				12 × 450–500 mL blood bags
No.4 Swinging Rotor	6×2×1000 mL	4000 rpm	5000×g	Biopharmaceutical applications

Specifications

Model	CFGR-8DL
Max. Speed	8000 rpm
Max. RCF	12166 × g
Max. Capacity	6 × 2400 mL
Speed Accuracy	±20 rpm
Timer Range	0–99 h 59 min 59 s
Temperature Range	-20°C ~ 40°C
Temperature Accuracy	±1°C
Compressor	High-performance compressor with CFC-free refrigerant
Noise	≤ 58 dB
Motor	AC variable-frequency motor, microprocessor control
Electricity	AC 220 V, 50 Hz, 35 A
Dimensions	960X860X1200 mm
Weight	500kg

High Speed Refrigerated Centrifuges

CFGR-15D





Description

- Precooling, the compressor will automatically start cooling as long as the set temperature is lower than the ambient temperature.
- Advanced R290 fluorine free refrigerant, low carbon and environmental protection.
- Temp range:-20℃- 40℃, fast and powerful cooling capacity, 7 minutes cooling from room temp to 4℃. Temp can kept at max speed.
- Up to 9 program storage capacity according to experimental needs.
- Three-layer sealed rotors ensure airtightness and biosafety.
- High-strength aluminum alloy withstand numerous high temperature and high pressure sterilizations.
- Five rotors with 0.2mL, 0.5mL, 1.5mL, 2mL and 5mL centrifuge tubes/ PCR tubes capacity.
- Rotor imbalance detection alarm.

Description

•Ergonomic electronic lock design, the centrifuge lid can be closed with single finger touch.

•Sound indicator to prompt that the upper cover is closed to maintain the temperature inside the chamber, after centrifugation.

•An external condensation tank prevents water accumulation within the centrifuge chamber.



Specification

Model	CFGR-15D
Max. Speed	15,000rpm (200-15,000rpm) in 100rpm increments.
Max. RCF	21,380×g, step: 10×g
Capacity	1.5/2mL×24, 0.5mL×36, PCR8×4, 5mL×12, 5mL×18.
Temperature setting	-20℃- 40℃
Run Time	30s-99 min; HOLD (continuous running)
Acceleration and deceleration time	25s↑ 25s↓
Motor Type	DC brushless motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection
	with Internal diagnosis system.
Power Requirements	Single-phase,
	200V-240V, 50Hz/60Hz, 500W
	100V-120V, 50Hz/60Hz, 500W
Noise	≤56dB
Dimensions(mm)	332(width) × 553(depth) × 283(height)
Weight	30 kg
Other functions	Rotation speed/RCF switchover, inching operation, running process
	indicator, sound alert. Acceleration/deceleration in 9 steps, program
Package Dimension (W*D*H)(mm)	storage capacity.
G.W.(kg)	920*530*530

Available rotors



Cat. No.19500001
0.2mL rotor adapter
24 pcs/pk



CAT. NO. 19500002
0.5mL rotor adapter
24pcs/pk



CAT. NO. 19500003
0.2mL rotor adapter
36pcs/pk

Specification

Model	Rotor model	Capacity	Hole diameter (mm)	Hole depth (mm)	Max. tube length (mm)
CFG-Mini15D	Cat. No. 19400010	2×12	11.2	39	47
CFG-15DP, CFGR-15D	CAT. NO. 19400069	2×24	11.2	40.5	54.2
	CAT. NO. 19400071	0.5×36	8.2	29.3	36
	CAT. NO. 19400072	0.2×32	6.5	20.4	36
	CAT. NO. 19400073	5×18	13.7	39	56.5
	CAT. NO. 19400070	5×12	17.5	44	56.5

Available rotors
CFG-15DP, CFGR-15D











Rotors Model	CAT. NO. 19400069	CAT. NO. 19400070	CAT. NO. 19400071	CAT. NO. 19400072	CAT. NO. 19400073
Max. speed	15000rpm	15000rpm	15000rpm	15000rpm	15000rpm
Max. RCF	21380×g	21380×g	21380×g	21380×g	21380×g
Rotor capacity	2mL/1.5mL×24/0.2mL×24/0.5mL×24	5mL×12(Cone bottom)	0.5mL×36, 0.2mL×36	0.2mL/PCR8×4	5mL×18 (Round bottom)
Rotor material	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy
Bio-safe (Bio sealing)	Yes	Yes	Yes	Yes	Yes
Available rotor adapters	CAT. NO. 19500001, CAT. NO. 19500002	/	Cat. No. 19500003	/	/

High Speed Refrigerated Centrifuge

CFGR-16BY



Application

The high speed refrigerated centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular component separation, clinical test sample processing, blood, suitable for medical, life sciences, biopharmaceutical, agricultural sciences, environmental protection and other scientific research units, as well as universities and colleges.

Specification

Model	CFGR-16BY
Max. Speed	16000rpm
Max. RCF	20600×g
Max. Capacity	6×100ml Angle rotor
Temperature Range	-20℃～40℃
Timer	1min～99h59min
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤60dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	600*575*370mm
N.W./G.W.	84kg/105kg
Package Dimension	830*670*530mm

Rotor Pictures


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, LED display, and key programming; Real time and simultaneous display of rotor No., Program number, Speed/RCF, Time, Temperature, and Acceleration/Deceleration gear; Parameters can also be modified during operation.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Can store and call 10 sets of programs, with 10 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05106	Angle rotor	14000rpm	40×0.5ml	19970×g
No.05101	Angle rotor	16000rpm	12×1.5/2ml	17940×g
No.05102	Angle rotor	15000rpm	24×1.5/2ml	20600×g
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g
No.05107	Angle rotor	15000rpm	16×5ml	19350×g
No.05108	Angle rotor	14000rpm	12×7ml	16370×g
No.05109	Angle rotor	14000rpm	6×10ml	16460×g
No.05110	Angle rotor	12000rpm	12×10ml	14510×g
No.05113	Angle rotor	11000rpm	8×15ml	12730×g
No.05114	Angle rotor	10000rpm	12×15ml	11840×g
No.05116	Angle rotor	12000rpm	8×20ml	14510×g
No.05117	Angle rotor	12000rpm	6×30ml	14000×g
No.05120	Angle rotor	11000rpm	6×50ml	13480×g
No.05122	Angle rotor	7000rpm	8×50ml	6190×g
No.05128	Angle rotor	10000rpm	4×100ml	10310×g
No.05129	Angle rotor	10000rpm	6×100ml	11380×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05224	Swing rotor	15000rpm	4×5ml	19920×g
No.05216	Swing rotor	4000rpm	2×3×48 well	2300×g

High Speed Refrigerated Centrifuge

CFGR-16SY



Application

The high speed refrigerated centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular component separation, clinical test sample processing, blood, suitable for medical, life sciences, biopharmaceutical, agricultural sciences, environmental protection and other scientific research units, as well as universities and colleges.

Specification

Model	CFGR-16SY
Max. Speed	16000rpm
Max. RCF	20600×g
Max. Capacity	6×100ml Angle rotor
Temperature Range	-20℃～40℃
Timer	1s～99h59min59s
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤60dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	600*575*370mm
N.W./G.W.	84kg/105kg
Package Dimension	830*670*530mm

Rotor Pictures


6×50ml


12×10ml


12×15ml


24×1.5ml


48×1.5ml

Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, the high-definition touch screen "Intelligent System" version displays both setting parameters and real-time parameters: Speed, RCF, Time, Temperature, Acceleration/Deceleration gear, Rotor No., Door cover status, etc.
- It uses imported customized fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Can store and call 100 sets of programs, with 9 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- Optional: Automatic recognition of rotor magnetism to avoid misoperation and over-speed operation.

Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF
No.05106	Angle rotor	14000rpm	40×0.5ml	19970×g
No.05101	Angle rotor	16000rpm	12×1.5/2ml	17940×g
No.05102	Angle rotor	15000rpm	24×1.5/2ml	20600×g
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g
No.05107	Angle rotor	15000rpm	16×5ml	19350×g
No.05108	Angle rotor	14000rpm	12×7ml	16370×g
No.05109	Angle rotor	14000rpm	6×10ml	16460×g
No.05110	Angle rotor	12000rpm	12×10ml	14510×g
No.05113	Angle rotor	11000rpm	8×15ml	12730×g
No.05114	Angle rotor	10000rpm	12×15ml	11840×g
No.05116	Angle rotor	12000rpm	8×20ml	14510×g
No.05117	Angle rotor	12000rpm	6×30ml	14000×g
No.05120	Angle rotor	11000rpm	6×50ml	13480×g
No.05122	Angle rotor	7000rpm	8×50ml	6190×g
No.05128	Angle rotor	10000rpm	4×100ml	10310×g
No.05129	Angle rotor	10000rpm	6×100ml	11380×g
No.05140	Angle rotor	5000rpm	24×15ml	3500×g
No.05224	Swing rotor	15000rpm	4×5ml	19920×g
No.05216	Swing rotor	4000rpm	2×3×48 well	2300×g

High Speed Refrigerated Centrifuge

CFGR-18.5JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4 ℃of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
H0.136	Blood Capillary 1.75mmx75mm×36 tube	12000rpm	16904xg
H0.232	0.2mlx4x8tube	13500rpm	14059xg
H0.264	0.2mlx8x8tube	13000rpm	14926xg
H0.512	0.5mlx12	18800rpm	18967xg
H0.524	0.5mlx24	18800rpm	26870xg
H0.548	0.5mlx48	13000rpm	14737xg
H0212	1.5/2.2mlx12	18800rpm	26870xg
H0224	1.5/2.2mlx24	15800rpm	24365xg
H0512	5mlx12	16000rpm	19462xg
H0612	5ml(Refrigerated)x12	13000rpm	16155xg
H0712	5mlx12 Vacuum test tube	8000rpm	7119xg
H1012	10mlx12	13500rpm	17645xg

Specification

Model	CFGR-18.5JP
Max.Speed	18800rpm
Max.RCF	26870xg
Max.Capacity	10mlx12
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤58dB
Electricity	AC 220V, 50Hz, 10A
Power	1000W
Dimension(W*D*H)	613*382*325mm
N.W./G.W.	70kg/88kg
Package Dimension(W*D*H)	770*660*650

High Speed Refrigerated Centrifuge

CFGR-21BY



Application

The high speed refrigerated centrifuge is used for bacteria, protein precipitation, nucleic acid extraction, subcellular component separation, clinical test sample processing, blood, suitable for medical, life sciences, biopharmaceutical, agricultural sciences, environmental protection and other scientific research units, as well as universities and colleges.

Specification

Model	CFGR-21BY
Max. Speed	21000rpm
Max. RCF	30910×g
Max. Capacity	4×800ml Swing rotor
Temperature Range	-20℃～40℃
Timer	1min～99h59min
Speed Accuracy	±10rpm
Temperature Accuracy	±1℃
Sound Emission	≤65dBA
Electricity	AC 110V/220V, 50/60Hz
External Dimension	675*725*400mm
N.W./G.W.	118kg/148kg
Package Dimension	930*830*580mm

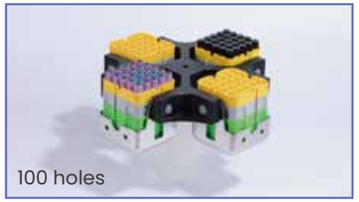
Feature

- Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.
- Induction automatic electric suction door lock, with emergency door opening device; self-inspection and protection of door lock, over-speed, unbalance, etc., safe and reliable.
- Using a microcomputer processor for precise control, LED display, and key programming; Real time and simultaneous display of rotor No., Program number, Speed/RCF, Time, Temperature, and Acceleration/Deceleration gear; Parameters can also be modified during operation.
- It uses imported fluorine-free compressor units, high-quality copper tubes wrapped around the centrifugal chamber, full tin soldering technology, and double-circulation pipelines, which greatly improves the refrigeration efficiency and can reduce the room temperature from 25°C to 4°C within 4 minutes.
- Use "automatic constant temperature control system adjustment technology" to accurately control temperature.
- Using a unique spring cone sleeve to connect the rotating head and spindle, the rotating head is locked 360°, and the loading and unloading of the rotating head is non directional, fast and simple.
- Can store and call 10 sets of programs, with 10 acceleration rates and 10 deceleration rate options.
- The whole machine is all-steel structure, stainless steel centrifugal chamber; multi-layer protection design, three-stage vibration reduction, safe and stable.
- The instrument door cover is equipped with a hydraulic rod to reduce operating load.

Rotor Pictures





















CFGR-21BY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05106	Angle rotor	15000rpm	40×0.5ml	22930×g	Optional
No.05101	Angle rotor	21000rpm	12×1.5/2ml	30910×g	Optional
No.05102	Angle rotor	18000rpm	24×1.5/2ml	29670×g	Optional
No.05103	Angle rotor	13500rpm	30×1.5/2ml	19340×g	Optional
No.05104	Angle rotor	13000rpm	48×1.5/2ml	17930×g	Optional
No.05107	Angle rotor	16000rpm	16×5ml	22020×g	Optional
No.05108	Angle rotor	16000rpm	12×7ml	21380×g	Optional
No.05109	Angle rotor	16000rpm	6×10ml	21500×g	Optional
No.05110	Angle rotor	15000rpm	12×10ml	22680×g	Optional
No.05113	Angle rotor	13000rpm	8×15ml	17790×g	Falcon
No.05114	Angle rotor	10000rpm	12×15ml	11840×g	Falcon
No.05116	Angle rotor	12000rpm	8×20ml	14510×g	Optional
No.05117	Angle rotor	14000rpm	6×30ml	19060×g	Optional
No.05120	Angle rotor	13000rpm	6×50ml	18840×g	Optional
No.05122	Angle rotor	8000rpm	8×50ml	8090×g	Optional
No.05128	Angle rotor	12000rpm	4×100ml	14850×g	Optional
No.05129	Angle rotor	12000rpm	6×100ml	16390×g	Optional
No.05131	Angle rotor	8000rpm	4×250ml	9090×g	Optional
No.05132	Angle rotor	7000rpm	6×250ml	8050×g	Optional

CFGR-21BY Matched Rotors

Rotor No.	Rotor Type	Max. Speed	Max. Capacity	Max. RCF	Notes
No.05607	Swing rotor	4000rpm	4×25×5/7ml	3450×g	For 2-7ml vacuum tube
	Swing rotor	4000rpm	4×800ml(round)	3450×g	Optional biosafety cover
	Adapter		4×500ml(falcon)		Falcon
	Adapter		4×250ml(falcon)		Falcon
	Adapter		4×24×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×19×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×14×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05608	Swing rotor	4000rpm	4×500ml(round)	3530×g	Optional biosafety cover
	Adapter		4×18×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×14×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×9×10/15ml		For 10/15ml tube
	Adapter		4×3×50ml		For 50ml tube
No.05609	Swing rotor	4000rpm	4×500ml(rectangle)	3450×g	Optional biosafety cover
	Adapter		4×20×5/7ml vacuum tube		For 2-7ml vacuum tube
	Adapter		4×16×10ml vacuum tube		For 10ml vacuum tube
	Adapter		4×12×10/15ml		For 10/15ml tube
	Adapter		4×5×50ml		For 50ml tube
No.05611	Swing rotor	4000rpm	4×4×96 well	2940×g	Optional
No.05610			4×7×50ml	3470×g	Falcon
No.05629	Swing rotor	5000rpm	4×1×50ml	4730×g	Optional
No.05630			4×1×100ml	4730×g	Optional
No.05635		4000rpm	4×2×100ml	3020×g	Optional
No.05634			4×2×50ml	3200×g	Optional
No.05631			4×8×15ml	3200×g	For 5-15ml
No.05639			4×16×5ml vacuum tube	2530×g	For 2ml vacuum tube
No.05638			4×16×7ml vacuum tube	2890×g	For 5ml vacuum tube
No.05640			4×12×10ml vacuum tube	2880×g	For 10ml vacuum tube
No.05614	Swing rotor	4000rpm	4×30×7ml vacuum tube	3160×g	For 5-7ml vacuum tube
No.05615			4×40×7ml vacuum tube	3270×g	For 5-7ml vacuum tube
No.05618			4×28×10m vacuum tube	3270×g	For 10ml vacuum tube

High Speed Refrigerated Centrifuge

CFGR-23JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
H0.136	Blood Capillary L75mmx36 tube	12000rpm	16904xg
H0.232	0.2mlx4x8tube	14500rpm	16219xg
H0.264	0.2mlx8x8tube	13000rpm	14926xg
H0.512	0.5mlx12	23000rpm	28388xg
H0.524	0.5mlx24	22000rpm	36796xg
H0.548	0.5mlx48	16000rpm	22324xg
H0212	1.5/2.2mlx12	22000rpm	36796xg
H0224	1.5/2.2mlx24	17500rpm	29890xg
H0236	1.5/2.2mlx36	16000rpm	25473xg
H0248	1.5/2.2mlx48	15500rpm	26672xg
H0312	3mlx12 Vacuum Test Tube	8000rpm	4866xg
H0324	3mlx24 Vacuum Test Tube	7000rpm	4821xg
H0512	5mlx12	17000rpm	21971xg
H0524	5mlx24	13500rpm	17115xg
H0712	5mlx12 Vacuum Test Tube	8000rpm	7119xg
H0724	5mlx24 Vacuum Test Tube	7000rpm	5259xg
H1012	10mlx12	15500rpm	23261xg
H1024	10mlx24	12500rpm	16770xg
H1508	15mlx8	13000rpm	17572xg
H3006	30mlx6	15000rpm	22640xg
H5006	50mlx6	13000rpm	18762xg
H5008	50mlx8	12000rpm	16904xg
H1004	100mlx4	12000rpm	16904xg
H1006	100mlx6	12000rpm	16904xg
NO1: Swing Rotor Cross	50mlx4	5000rpm	3913xg
NO2: Swing Rotor Cross	100mlx4	5000rpm	3913xg
NO3: Swing Rotor Cross	10mlx12	5000rpm	3913xg
NO4: Swing Rotor Cross	15mlx4	5000rpm	3913xg
NO5: Swing Rotor Cross	48wellx2x2	5000rpm	2432xg

Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤15s[H0.512].
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4 ℃of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.
- Can customize 485 communication interface function.

Specification

Model	CFGR-23JP
Max.Speed	23000rpm
Max.RCF	36796xg
Max.Capacity	100mlx6
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Temp.Accuracy	±1℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤58dB
Electricity	AC 220V, 50Hz, 10A
Power	1500W
Dimension(W*D*H)	670*410*400mm
N.W./G.W.	51kg/70kg
Package Dimension(W*D*H)	770*590*590mm

High Speed Refrigerated Centrifuge

CFGR-24JLP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Specification

Model	CFGR-24JLP
Max.Speed	24000rpm
Max.RCF	40217xg
Max.Capacity	750mlx4
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Temp.Accuracy	±1℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤ 58dB
Electricity	AC 220V, 50Hz, 10A
Power	2000W
Dimension(W*D*H)	750*590*890mm
N.W./G.W.	125kg/174kg
Package Dimension(W*D*H)	850*710*1060mm

Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤15s[H0.512].
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4℃ of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.
- Can customize 485 communication interface function.

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
Angle Rotor	Blood Capillary 175mmx36 tube	12000rpm	16904×g
Angle Rotor	0.2mlx4x8tube	14500rpm	16219×g
Angle Rotor	0.2mlx8x8tube	13000rpm	14926×g
Angle Rotor	0.5mlx12	24000rpm	30910×g
Angle Rotor	0.5mlx24	23000rpm	40217×g
Angle Rotor	0.5mlx48	16000rpm	22324×g
Angle Rotor	1.5/2.2mlx12	23000rpm	40217×g
Angle Rotor	1.5/2.2mlx24	17500rpm	29890×g
Angle Rotor	1.5/2.2mlx36	16000rpm	25473×g
Angle Rotor	1.5/2.2mlx48	15500rpm	26672×g
Angle Rotor	3mlx12 Vacuum Test Tube	8000rpm	4866×g
Angle Rotor	3mlx24 Vacuum Test Tube	7000rpm	4821×g
Angle Rotor	5mlx12	17000rpm	21971×g
Angle Rotor	5mlx24	13500rpm	17115×g
Angle Rotor	5mlx12 Vacuum Test Tube	8000rpm	7119×g
Angle Rotor	5mlx24 Vacuum Test Tube	7000rpm	5259×g
Angle Rotor	10mlx12	15500rpm	23261×g
Angle Rotor	10mlx24	12500rpm	16770×g
Angle Rotor	15mlx8	13000rpm	17572×g
Angle Rotor	30mlx6	15000rpm	22640×g
Angle Rotor	50mlx6	13000rpm	18762×g
Angle Rotor	50mlx8	12000rpm	16904×g
Angle Rotor	100mlx4	12000rpm	16904×g
Angle Rotor	100mlx6	12000rpm	16904×g
NO1: Swing Rotor Cross	750mlx4	4200rpm	3727×g
	Adapter: 500mlx4, 250mlx4(conyn tube), 100mlx12, 50ml(conical)x20, 50ml(round bottom)x28, 15/20ml(conical)x56, 15ml vacuum test tube x76, 5ml vacuum test tube x96, 5ml((RIA tube))x148		
NO2: Swing Rotor Cross	500mlx4	4200rpm	3451×g
	Adapter: 250mlx4, 100mlx8, 50mlx16, 10ml vacuum test tube x56, 15ml(conical)x40, 3/5/7ml vacuum test tube x68, 5ml((RIA tube))x96		
NO3: Swing Rotor Cross	300mlx4	4500rpm	3645×g
	Adapter: 250mlx4, 100mlx4, 50ml(conical)x12, 10ml vacuum test tube x40, 15ml(conical)x20, 3/5/7ml vacuum test tube x56, 5ml((RIA tube))x76		
NO4: Microplate	96wellx2/96wellx2x2	5000rpm	4081×g
NO5: Microplate	96wellx4/96wellx4x2	4000rpm	3667×g

High Speed Refrigerated Centrifuge

CFGR-24JP

Description

The centrifuge adopts microcomputer control, large-screen color LCD display, and full touch-screen operation interface to directly set the working program, RCF, speed, time, acceleration and deceleration, and rotor model.



Specification

Model	CFGR-24JP
Max.Speed	23500rpm
Max.RCF	38487xg
Max.Capacity	300mlx4
Speed Accuracy	±10rpm
Temp.Range	-20℃~40℃
Temp.Accuracy	±1℃
Timing Range	1s～99h59min59s/Jog (short spin)
Sound Emission	≤ 58dB
Electricity	AC 220V, 50Hz, 10A
Power	1800W
Dimension(W*D*H)	610*570*505mm
N.W./G.W.	93kg/155kg
Package Dimension(W*D*H)	780*700*660mm

Features

- Brushless AC variable frequency motor drive and special drive module ensure the reliability of the circuit.
- Double door cover lock system, starting means locking, ensuring safe operation.
- Provides 20 kinds of working program storage, users can freely program and call their working parameters, which is easy to use and improves work efficiency.
- Provide 15 kinds of acceleration/deceleration; User can set one group of acceleration and deceleration arbitrarily according to the sample requirements.
- Two timing functions: at set rpm and start timing, and the jog is short spin function.
- Differential centrifugation: Five differential centrifugation programs are reserved, and users can set them according to their needs.
- Double-layer steel structure and stainless steel centrifugal chamber to avoid corrosion.
- Automatic balance and imbalance protection. When an error or imbalance occurs, an audible alarm signal will be issued and the centrifuge will automatically stop running.
- Easily adjust speed, RCF, time and temperature during operation without stopping.
- The shortest acceleration / deceleration time≤15s[H0.512].
- Countdown function : The countdown in seconds, real time display of remaining working time.
- The centrifuge chamber is equipped with a condensate drainage hole to prevent water accumulation in the centrifuge chamber.
- Prefabricated cooling function: In standby mode, the centrifuge can be continuously cooled to the set temperature.
- Automatic standby function: When the temperature drops to the set temperature, the compressor will automatically standby to reduce energy consumption and extend the life of the compressor.
- Quick cooling function:When the temperature drops from 21℃ to 4 ℃of biological zero, the cooling time is≤5 minutes.
- The rotor can be autoclaved at 121°C for more than 2 hours. The rotor is a sealed angle and has high biological safety. Airtight angle rotor with high biological safety.
- Automatically recognizes the magnetic rotor without manually setting the rotor model, and has over-speed protection function.
- Can customize 485 communication interface function.

Rotor Configuration

Rotor	Capacity	Max. Speed	Max.RCF
H0.136	Blood Capillary L75mmx36tube	12000rpm	16904xg
H0.232	0.2mlx4x8tube	14500rpm	16219xg
H0.264	0.2mlx8x8tube	13000rpm	14926xg
H0.512	0.5mlx12	23500rpm	29636xg
H0.524	0.5mlx24	22500rpm	38487xg
H0.548	0.5mlx48	16000rpm	22324xg
H0212	1.5/2.2mlx12	22500rpm	38487xg
H0224	1.5/2.2mlx24	17500rpm	29890xg
H0236	1.5/2.2mlx36	16000rpm	25473xg
H0248	1.5/2.2mlx48	15500rpm	26672xg
H0312	3mlx12 Vacuum Test Tube	8000rpm	4866xg
H0324	3mlx24 Vacuum Test Tube	7000rpm	4821xg
H0512	5mlx12	17000rpm	21971xg
H0524	5mlx24	13500rpm	17115xg
H0712	5mlx12 Vacuum Test Tube	8000rpm	7119xg
H0724	5mlx24 Vacuum Test Tube	7000rpm	5259xg
H1012	10mlx12	15500rpm	23261xg
H1024	10mlx24	12500rpm	16770xg
H1508	15mlx8	13000rpm	17572xg
H3006	30mlx6	15000rpm	22640xg
H5006	50mlx6	13000rpm	18762xg
H5008	50mlx8	12000rpm	16904xg
H1004	100mlx4	12000rpm	16904xg
H1006	100mlx6	12000rpm	16904xg
NO1: Swing Rotor Cross	100mlx4	5000rpm	4500xg
NO2: Swing Rotor Cross	300mlx4	4500rpm	3645xg
	Adapter: 250mlx4, 100mlx4, 50ml(conical)x12, 10ml Vacuum Test Tubex40 15ml(conical)x20, 3/5/7ml Vacuum Test Tubex56, 5ml((RIA tube))x76		
NO3: Microplate	96wellx2/96wellx2x2	5000rpm	4081xg

Floor-standing
High Speed Refrigerated Centrifuge

CFGR-25BP CFGR-21BP

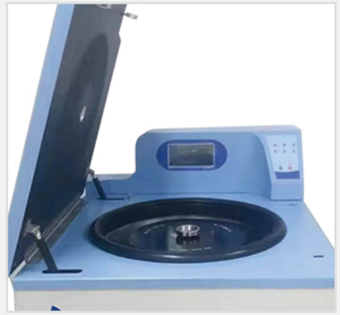
Description

- It has micro-computer control, electronic lock and AC variable-conversion motor which delivers high torque
- The large-screen true-color TFT touchscreen control is simple to operate and provides an intuitive display. Setting parameters and real-time operating parameters can be displayed on the same screen.
- It has self-locking device, over-speed safety device, over-temperature safety device, imbalance safety device and automatic alarm device.



Specifications

Model	CFGR-25BP	CFGR-21BP
Max speed	25000rpm	21000rpm
Max RCF	64983xg	50400xg
Max capacity	1000ml*4	500ml*6
Speed accuracy	± 10r/min	
Time setting	1min~99h59min	
Temperature setting	-20 ～ +40 ℃	
Temperature accuracy	±1 ℃	
Compressor unit	French Tecumseh Compressor Unit, R404a	
Noise	<65dB (A)	
Power supply	110V/60HZ, 220V/50HZ	
Dimension(L*W*H)	710mmx840mmx1140mm	
Packing size(L*W*H)	890mmx960mmx1400mm	
Net weight	280kg	



Description

- The max speed is 25000rpm, and max RCF is 64983g
- Imported compressor unit with Non-CFC.refrigerant. It measures up to environmental standards.
- The machine is programmable The operation data can be stored automatically
- The real-time conversation of Speed and RCF is convenient for operation
- It has 10 files of acceleration and deceleration level for your choice.

Rotor-CFGR-21BP Accessories Center



NO.1
Capacity:1.5ml/2.2ml×36
Max Speed:21000r/min
RCF:50400×g
Adapters:0.2ml、0.5ml



NO.1
Capacity: 10ml×16
Max Speed: 21000r/min
RCF: 50400×g
Adapters：1.5ml、5ml



NO.2
Capacity:10ml×18
Speed: 21000r/min
RCF: 50400×g
Adapters:1.5ml、5ml



NO.3
Capacity: 50ml×6
Speed: 20000r/min
RCF:43000×g
Adapters:10ml、20ml



NO.4
Capacity: 50ml×8
Speed: 18000r/min
RCF:35047×g
Adapters:10ml、20ml



NO.5
Capacity: 20ml×12
Speed: 16500r/min
RCF:31100×g
Adapters:5ml、10ml

Rotor-CFGR-21BP Accessories Center



NO.6
Capacity: 15ml×32
Speed: 16000r/min
RCF:30940×g
Adapters:5ml、10ml



NO.7
Capacity: 70ml×6
Speed: 15000r/min
RCF:25700×g



NO.8
Capacity: 100ml/85ml×8
Speed: 14000r/min
RCF:26952×g
Adapters:10ml、20ml
It is customizable



NO.9
Capacity: 250ml×6
Speed: 12000r/min
RCF:22470×g
Adapters:50ml、100ml
It is customizable



NO.10
Capacity: 300ml×6
Speed: 11000r/min
RCF:19650×g
Adapters:50ml、100ml
It is customizable



NO.11
Capacity: 500ml/400ml×6
Speed: 9000r/min
RCF:14400×g
Adapters:50ml、100ml、250ml
It is customizable



NO.12
Continuous Flow Rotor
Capacity: 1000ml
Speed: 14000r/min
RCF:21500×g
Standard flow:200-600ml/min
Material:Aluminum alloy Stainless Steel



NO.13
Continuous Flow Rotor
Capacity: 3000ml
Speed: 8000r/min
RCF:9500×g
Standard flow:200-800ml/min
Material:Aluminum alloy
Stainless Steel

Rotor-CFGR-25BP Accessories Center



NO.1
Capacity: 1.5ml/2.2ml×24
Max Speed: 25000r/min
RCF: 64983×g
Adapters：0.2ml、0.5ml



NO.2
Capacity:10ml×16
Speed: 23000r/min
RCF: 60900×g
Adapters:1.5ml、5ml



NO.3
Capacity:50ml×8
Speed: 18000r/min
RCF: 40930×g
Adapters:10ml、20ml



NO.4
Capacity: 250mlx6 Max Speed: 14000r/min Max RCF: 30200xg
Adapters: 50ml 100ml
It is customizable



NO.5
Capacity: 500ml/400ml×6
Speed: 10000r/min
RCF:17800×g
Adapters:50ml、100ml、250ml
It is customizable



NO.6
Capacity: 1000ml×4
Speed: 7000r/min
RCF:9980×g
Adapters:100ml、250ml、300ml、500ml
It is customizable



NO.7
Continuous Flow Rotor
Rotor Capacity: 1000ml
Max Speed: l6000r/min
Max RCF: 28100xg
Standard flow: 200-600ml/min
Material: Titanium alloy



NO.8
Continuous Flow Rotor
Rotor Capacity: 3000ml
Max Speed: 10000r/mln
Max RCF: 14800xg
Standard flow: 200-800ml/min
Material: Titanium alloy

High Speed Refrigerated Centrifuge

CFGR-B16B



Description

It is suitable for experiments in biology, medicine, agriculture and other fields, and is the first choice for genetic gene, protein nucleic acid PCR experiments.

Specification

Model	CFGR-B16B
Max. Speed	16500r/min
Max. RCF	21380×g
Max.Capacity	4×100ml
Speed Accuracy	±10r/min
Time Setting	Timing centrifugation： 1s-99h99min59s Continuous centrifugation: Hold
Temperature Control Range	-20℃～40℃
Temperature Control Accuracy	±1℃
Compressor	Imported high-performance compressor unit, CFC-free refrigerant
Power Supply	AC 220V 50Hz 15A
Noise	< 55dB(A)
Dimensions(L*W*H)	350×662×367mm
Net Weight	50kg
Package Dimension (W*D*H)(mm)	900*440*550

Advantages



- Display:
  5-inch high-definition touch screen, easy to operate and intuitive display;
- Scheme：
  50 groups of programs can be stored for users to use
- Performance:
  AC variable frequency motor, high speed control precision, imported environmental protection compressor
- Convenience:Free switching of speed and RCF



- Safety Protection:
  Automatically identify 7 different rotors to eliminate potential safety hazards caused by user misoperation (Optional function)
- Control:
  It has 9 files of acceleration and 10 files of deceleration level, which can effectively prevent secondary suspension and have a good centrifugal effect.



- Safety:
  There are various protections such as overspeed, door protection, imbalance protection, etc. to ensure the safety of human and machine
- Particularity：
  Special air duct to ensure the rotor works under normal temperature
- Speciality : Airtight rotor, effectively prevent aerosols

Rotor(optional)

Rotor Type	Max Speed(rpm)	Max RCF(g)	Max Capacity
Angle Rotor	16500	18400	12×1.5/2ml
Angle Rotor	15000	21380	24×1.5/2ml
Angle Rotor	13000	19270	32×1.5/2ml
Angle Rotor	12000	15370	48×1.5/2ml
Angle Rotor	13000	16200	6×8×0.2ml PCR
Angle Rotor	12000	15370	8×15ml
Angle Rotor	12000	10100	12×5ml
Angle Rotor	12500	16060	12×10ml
Angle Rotor	12000	15130	6×50mL (round bottom)
Angle Rotor	12000	15130	6×50mL (tip bottom)
Angle Rotor	10000	10620	4×100mL
Swing Rotor(microplate)	4000	2000	2×2×48 well

High Speed Refrigerated Centrifuge, Benchtop

CFGR-B18B



Description

It is widely used in agriculture, medicine, food hygiene, biopharmaceuticals, bioengineering, cell biology and biochemistry, etc. It is suitable for the separation and purification of microbial cells, cell proteins, mold and immunity.







Advantages

- 5-inch high-definition touch screen, easy to operate and intuitive display
- 50 groups of programs can be stored for users to use;
- AC variable frequency motor, high speed control precision, imported environmental protection compressor

- Free switching of speed and RCF
- Automatically identify 9 different rotors to eliminate potential safety hazards caused by user misoperation (Optional function)
- It has 9 files of acceleration and 10 files of deceleration level, which can effectively prevent secondary suspension and have a good centrifugal effect.

- There are various protections such as overspeed, door protection, imbalance protection, etc. to ensure the safety of human and machine
- Low noise:
  The noise is close to silent at the highest speed;
- Sealed rotor for effective protection against aerosol.

Specification

Model		CFGR-B18B
Max. Speed		18500r/min
Max. RCF		23800×g
Max. Capacity		4×100mL
Motor		AC frequency conversion motor
Speed Accuracy		±10r/min
Time Setting	Timed centrifugation	1s-99h99min59s
	Continuous centrifugation	Hold
Temperature Setting		-20℃～+40℃
Temperature Accuracy		±1.0℃
Power Supply		AC220±22V 50/60Hz 16A
Noise		< 55dB(A)
Dimensions(L×D×H)		350×662×352(mm)
Net Weight		50kg
G.W.(kg)		70
Package Dimension (W*D*H)(mm)		900*440*530

Rotor(optional)

Rotor Type	Max Speed(rpm)	Max RCF(g)	Max Capacity	Tube Size(mm)
Angle Rotor	13500	12830	48×0.5mL	Φ8×32
Angle Rotor	18500	23800	12×1.5/2mL	Φ10×42
Angle Rotor	15000	21380	24×1.5/2mL	Φ10×42
Angle Rotor	14000	22350	32×1.5/2mL	Φ10×42
Angle Rotor	13000	18040	48×1.5/2mL	Φ10×42
Angle Rotor	13000	16200	6×8×0.2ml PCR	Φ6x22
Angle Rotor	13500	12830	12×5mL	Φ13x53
Angle Rotor	12500	16060	12×10mL	Φ16×83
Angle Rotor	13000	18040	8×15mL	Φ17x121
Angle Rotor	13000	17760	6×50mL(round bottom)	Φ29×106
Angle Rotor	13000	17760	6×50mL(falcon tube)	Φ29×116
Angle Rotor	11000	12850	4×100mL	Φ37.9x119
Swing Rotor(microplate)	4000	2000	2×2×48well	

High speed Refrigerated Centrifuge

CFGR-B21B



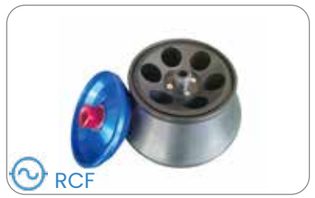
Description

It is suitable for experiments in biopharmaceuticals, pharmaceuticals, cell biology and other fields, for the isolation and purification of microbial organisms, cellular proteins, mycobacteria and immune.

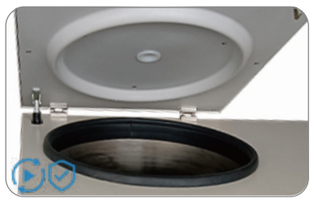
Advantages



- Display:
  5-inch high-definition touch screen, simple operation, intuitive display
- Program:
  50 groups of programs can be stored for users to use
- Control:
  It has 9 files of acceleration and 10 files of deceleration level，which can effectively prevent secondary suspension and have a good centrifugal effect



- Security:
  Automatic identification of 9 different rotors, eliminate the user misuse of security risks (Optional function)
- Performance:
  AC frequency conversion motor, high precision speed control
- Convenience:
  Free switching of speed and RCF



- Safety:
  There are various protections such as overspeed, door protection, imbalance protection, etc. to ensure the safety of human and machine
- Particularity：
  Special air duct to ensure the rotor works under normal temperature;
- Speciality : Airtight rotor, effectively prevent aerosols.

Specification

Model	CFGR-B21B
Max. Speed	21000r/min
Max. RCF	30815×g
Max.Capacity	4×750ml
Speed Accuracy	±30r/min
Time Setting	1s-99h99min59s
	Continuous centrifuge : Hold
Temperature Control Range	-20℃～40℃
Temperature Control Accuracy	±1℃
Compressor	Imported high-performance compressor unit, CFC-free refrigerant
Power Supply	AC220±22V,50/60Hz,16A or AC110±20V,50/60Hz,32A
Noise	≤60dB(A)
Dimensions(L*W*H)	703×710×400mm
Net Weight	110Kg
Package Dimension (W*D*H)(mm)	960*810*590

Rotor(optional)

Rotor Type	Max Speed(r/min)	Max RCF(×g)	Max Capacity
Angle Rotor	21000	30815	12×1.5/2ml
Angle Rotor	16500	24890	24×1.5/2ml
Angle Rotor	15000	25650	32×1.5/2ml
Angle Rotor	15000	24270	48×1.5/2ml
Angle Rotor	16500	19170	12×5ml
Angle Rotor	15000	23120	12×10ml
Angle Rotor	15000	23640	8×15ml
Angle Rotor	14000	22022	12×15ml
Angle Rotor	15000	23640	6×50ml
Angle Rotor	12000	15610	8×50ml
Angle Rotor	13000	18138	4×100ml
Angle Rotor	10000	11808	6×100ml
Swing Rotor	4200	3500	4×250ml
Swing Rotor	4000	3040	4×500ml
Swing Rotor	4000	2810	4x8x15ml
Swing Rotor	4000	2810	4×100ml
Swing Rotor	4000	3180	4×750ml
Swing Rotor(microplate)	4000	2300	2×2×96well

Micro Centrifuge, Palm type

CFG-Mini5D CFG-Mini7M





Specifications

Model	CFG-Mini5D	CFG-Mini7M
Max. Speed	5000rpm	7000rpm
Max. RCF	1360×g	2680×g
Rotor Capacity	0.2/0.5/1.5/2.0mL×8;32x0.2ml	0.2/0.5/1.5/2.0mL×8; 32×0.2mL
	PCR strips or 4x0.2ml PCR 8 strips	PCR strips or 4×0.2mL PCR 8 strips
Run Time	Continuous operation	
Driving Motor	DC motor	
Power	AC100V-240V/50Hz/60Hz 20W	
Noise Level	≤45dB	
Dimension [D×W×H]	160mm×170mm×122mm	
Weight	0.5kg	
Certification	–	





Description

- Ideal for microfiltration and quick spin-down application.
- Easy to operate. Lid close, it begin to rotate.
- Compatible with 2mLx8 and PCR8x4 rotors.
- Quiet running, noise level ≤45Db.
- Quick-change rotor without any tool.
- Accelerates and brakes in seconds.
- Available in two colors i.e., green, blue.
- Safe, endurable and robust rotor with clamp locking design.

Available adapters



Cat. No. 19400029
0.2mL rotor adapter
8pcs/pk



Cat. No.19400026
0.5mL rotor adapter
8pcs/pk

Available rotors



Cat. No.19201164
Max. speed: CFG-Mini5D:5000rpm, CFG-Mini7M:7000rpm
Max. RCF: CFG-Mini5D:1360xg, CFG-Mini7M:2680xg
Rotor capacity: 2mL/1.5mL×8,0.2mL×8,0.5mL×8
Rotor material: High strength plastic



Cat. No.19201165
Max. speed: CFG-Mini5D:5000rpm, CFG-Mini7M:7000rpm
Max. RCF: CFG-Mini5D:1360xg, CFG-Mini7M:2680xg
Rotor capacity: 0.2 ml×32 PCR strips, 0.2 ml×4 PCR 8 strips
Rotor material: High strength plastic

Mini Centrifuge

CFG-Mini7E



Application

This centrifuge is ideal for fast centrifugation, sample microfiltration, cell isolation and many other routine laboratory procedures.





Features

- Small volume,high capacity, low wind resistance,low heat rise.
- Easy to operate with dual start/stop function.Close lid for a spin speed up to 7000 rpm.
- Ultra-quiet, low vibration, smooth and quiet operation (sound emission≤50dB).
- Safe, endurable and robust rotor with clamp locking design.
- Sophisticated design, quick-change rotor without any tool.
- Accelerates and brakes in seconds.
- Compatible with 2mLx8 and PCR8x4 rotors.

Specification

Model	CFG-Mini7E
Max.Speed	7000rpm
Max.RCF	2680×g
Rotor Capacity	0.5/1.5/2.0mL×8；
	0.2mL×32 PCR tubes;
	0.2mL×4 PCR 8 strips;
Running Time	Continuous operation
Driving Motor	DC motor
Sound Emission	≤50dB
Electricity	AC100-240V, 50/60Hz, 20W
Ambient Temperature and Humidity	5-40℃, 80%RH
Dimension(D*W*H)	156*166*121mm
N.W./G.W.	0.5kg/2kg
Package Dimension(W*D*H)(mm)	300*240*230mm

Mini Centrifuge, High Speed

CFG-Mini15D



Description

- Speed up to 15000rpm (15100×g)
- Brush-less DC motor drive quickly to the target speed
- Quiet working, Low noise ≤54dB
- CFG-Mini15D is proven by IEC/EN 61010-1
- CFG-Mini15D passed the rigorous explosion-proof test according to IEC/ E/V 61010-2-20.

Specifications

Model	CFG-Mini15D
Max. Speed	15000rpm(500-15000rpm), increment: 100rpm
Max. RCF	15100×g, increment: 100×g
Speed Accuracy	±20rpm
Rotor Capacity	0.2mL/0.5mL/1.5mL/2mL×12
Run Time	30sec-99min/Continuous
Acceleration/Braking time	11s ↑ /9s ↓
Driving Motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detection, Over-temperature detection,
	Automatic internal diagnosis
Power	Single-phase, AC100V-240V, 50Hz/60Hz, 3A 100W
Noise level	≤54dB
Dimension[D×W×H]	255mm×245mm×140mm
Weight	6kg
Other functions	Speed/RCF switch, Short-time run function, sound-alert function







Available rotors



Cat. No.19500001
0.2mL rotor adapter
24 pcs/pk



Cat. No.19500002
0.5mL rotor adapter
24 pcs/pk

Available rotors



Cat. No.19400010
for CFG-Mini15D only
Capacity:2×12
Hole diameter：11.2mm
Hole depth：39mm
Max. tube length：47mm
Max. speed: 15000rpm
Max. RCF: 15100×g
Rotor capacity: 2mL/1.5mL×12,0.2mL×12,0.5mL×12
Rotor material: High strength plastic
Available rotor adapters: A02P2, A05P2

Microplate Centrifuge, PCR

CFG-MP2R



Description

CFG-MP2R Centrifuge for Microplates is designed for quick spins of samples in PCR plates. Primarily designed for use with 96 or 384 well plates and small volumes, it accepts skirted, non skirted and semi-skirted styles.

Features:

- Easy to use, real-time display of all operating information.
- Countdown mode support.
- DC brushless motor, low noise, small interference, maintenance-free.
- When opening the cap will automatically stop running.
- Fast acceleration from standstill to maximum speed fully in just 10sec.
- Braking time is short, from the highest speed to a complete standstill in just 4sec.



Specifications

Model	CFG-MP2R
Rotating speed	2200~2800rpm
Timing range	15sec ~1min59sec
Max(RCF)	550xg
Acceleration time	≤10sec(0 to 2800rpm)
Brake time	≤4sec(2800rpm to 0)
Lid Open Auto Stop	Yes
Short Run	Yes
Capacity	2 PCR plates
Power	45W
Voltage	AC110~220V/50-60Hz
Fuse	250V/3A Φ5×20
Dimension	260x240x226mm
Weight	3.3Kg
Package Dimension (W*D*H) (mm)	340*300*310
G.W.(kg)	4.5

Cyto centrifuge

CFG-3B (Cyto)



Description

Cyto Centrifuge widely used in immune hematology laboratories, for erythrocyte serological experiments, antigens, antibodies and the determination of the results of the Coombs test, etc., is a hospital blood bank at all levels, the experiment Rooms, blood stations, medical schools and medical research institutions essential equipment.

A cytocentrifuge is a machine that concentrates cells from a liquid into a thin layer on a microscope slide. It is used in clinical medicine and biological research to examine cells in body fluids, in cytopathology, hematology, and microbiology. They can analyze samples such as cerebrospinal fluid, and fine needle aspirates.

Specifications

Model	CFG-3B (Cyto)
Max speed	3000r/min
Max RCF	730xg
Max capacity	12x2ml
Speed accuracy	± 30r/min
Time setting	1min~99min
Noise	<65dB(A)
Power supply	110V/60Hz ,220V/50Hz
Dimension(LxWxH)	410mmx490mmx310mm
Packing size(LxWxH)	500mmx580mmx400mm
Net weight	22kg

Description



Microcomputer control, DC brushless motor, stable operation, Low noise and high speed accuracy.

Touch panel, programmable operation, operation data can be set according to demands and stored automatically.



LCD display, user-friendly interface, simple and convenient operations.

The real-time conversation Of Speed and RCF is convenient for operation.

It has self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.

Accessories Center



NO.1
Capacity: 2ml×12
Max Speed:3000r/min
RCF:730×g





Clinical Centrifuge, PRP

CFG-4.5D(PRP)



Features:

- Passed the explosion-proof test / MCA test according to IEC/EN61010-2-20;
- Passed EN61010-2-101: 2 0 0 2 particular requirements for In-Vitro diagnostic (IVD) medical equipment;
- Maintenance-free brush-less DC motor.



- Max speed:4500rpm;
- Rotor speed can be set in RPM/RCF;
- Automatic lid-lock release after running;



- 3 pre-loaded programs for fast operation;
- 9 programs for customization can be stored in memory;
- Powerful CPU for easy operation of speed, time and all other parameters;
- Easy-to-read processing display and sound alert;



Specification

Model	CFG-4.5D(PRP)
Speed Range	300-4500rpm, increment:10rpm
Max. RCF	2490xg, increment: 10g
Speed accuracy	±10rpm
Rotor capacity	8x15ml,12x10mL/7mL/5mL
Run Time	30sec-99min
Motor	Brushless DC motor
Display	LCD
Preloaded Program	PRP:3480rpm, 5mins, PRF:2690rpm, 7mins, CGF: Step1 2700rpm 2mins, Step2 2400rpm 4mins Step3 2700rpm 4mins, Step4 3000rpm 3mins,
Custom Programs Memory	9 programs (6 steps for each program)
Safety Devices	Door interlock, Overspeed detector, Automatic internal diagnosis
Noise	≤56dB
Power	Single-phase, 100V-240V,50Hz/60Hz, 3A,70W
Dimension[W×D×H]	301X354X217mm
Weight	6kg
Package Dimension[W×D×H]	480X430X360mm
G.W.	8.5kg
Advanced features	Speed/RCF switch; sound-alert function



Blood cell washing centrifuge

CFG-4B (BW)

Application

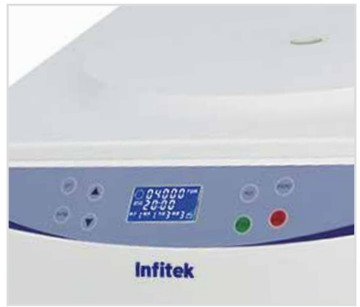
- It has microprocessor control, DC brush-less motor.
- The SERO rotor is used for erythrocyte washing.
- The HLA rotor is for lymphocyte washing.





Specifications

Model	CFG-4B (BW)	
Rotor type	HLA Rotor	SERO Rotor
Rotor Capacity	(0.25~1ml)×12	7ml×12
Max RCF	2000×g	1000×g
Drive	Microcomputer control, brushless DC motor drive	
Time range	Programmed timekeeping	
Noise	<60dB(A)	
Power supply	110V/60Hz 220V/50Hz	
Dimension(L×W×H)	330mm*420mm*280mm	
Package Dimension(W*D*H)(mm)	520*440*390	
Net weight	14kg	



Technical performance

Microcomputer control, DC brush-less motor, stable operation, low noise and high speed accuracy.
Touch panel, programmable operation, operation data can be set according to demands and stored automatically.
LED display, user-friendly interface, simple and convenient operations.
The real-time conversation of speed and RCF is convenient for operation.
Self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.

Accessories Center Rotor

Rotor	Key	RCF	Centrifugal Time	Use
HLA Rotor For Lymphocyte Washing	1	2000×g	180s	Lymphocyte separation incubated cell separation
	2	1000×g	3s	Hematob last exenterate(thrombin disposal)
	3	1000×g	60s	Lymphocyte Washing
SERO Rotor For Erythrocyte Washing	1	500×g	60s	Blood grouping, image of hemagglutination reaction
	2	1000×g	15s	Cross matching, and the testing of antistaphyoloysin
	3	1000×g	60s	Hematocyte washing, the extraction of serum and plasma

Gel Card Centrifuge

CFG-4Y(BT) CFG-4AY(BT)





12 cards



24 cards

Features

Brushless motor, free maintenance, no powder pollution.

Microcomputer control, digital display of time, speed and RCF, easy to operate.

Special gradient centrifugation technology, and different gradients can be designed according to different reagent requirements.

Regular centrifugation program, customers can press the button to choose the required one.

10-speed acceleration and deceleration control, the last program used when starting up.

The silent electronic door lock is easy to use and has an emergency door opening function.

Door lock, over-speed, imbalance automatic protection and fault self-diagnosis.

Application

It is widely used in the test of blood group serology, blood type, micro-column agglutination, immunodetection and etc.





Rotors

Model	CFG-4Y(BT)	CFG-4AY(BT)
Rotor Type	Swing Rotor	Swing Rotor
Max. Speed	4000rpm	3000rpm
Max. Capacity	12 cards	24 cards
Max. RCF	1480×g	1192×g

Specifications

Model	CFG-4Y(BT)	CFG-4AY(BT)
Max. Speed	4000rpm	3000rpm
Max. RCF	1480×g	1192×g
Max.Capacity	12cards	24cards
Speed Accuracy	±10r/min	
Timer	1s~99min59s	
Sound Emission	≤55dBA	
Electricity	AC 110V/220V, 50/60Hz	
External Dimension	450*320*225mm	500*360*250mm
N.W./ G.W.(kg)	15kg/18.5kg	18kg/21kg
Package Dimension (W*D*H) (mm)	580*430*350mm	615*450*390mm

PRP Centrifuge

CFG-5B(PRP) **CFG-4B(PRP)**



Specifications

Model	CFG-5B(PRP)	CFG-4B(PRP)
Max speed	5000r/min	4000r/min
Max RCF	4100xg	2220xg
Max capacity	10ml /50ml swing rotor	7ml /15ml/20ml/50ml angle rotor
Speed accuracy	± 30r/min	
Time setting	1min~99min	
Noise	<65dB(A)	
Electricity	110V/60Hz 220V/50Hz	
Dimension(LxWxH)	410mmx490mmx310mm	330mmx420mmx280mm
Package Dimension (W*D*H)(mm)	500mmx580mmx400mm	520mmx440mmx400mm
N.W.(kg)/G.W.(kg)	22kg	14 kg/16kg



Technical performance

Microcomputer control, DC brushless motor, stable operation, low noise and high speed accuracy.
LED or LCD display. user-friendly interface, simple and convenient operations.
Various of PRP kit is available.
Special program is made for PRP kit.
The real-time conversation Of Speed and RCF is convenient for operation.
It has self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.

Rotor:



PRP Swing Rotor 50ml 10ml×4 10ml×2×4



PRP Angle Rotor
50ml×4
7/15/20ml×12



YES PRP Kit



BD PRP Kit

The PRP operation Demo:













1 Put PRP Kit into the rotor

Blood collectin Transfer blood to PRP Kit

3 PRP extraction

From the bottom to top: Red blood cell,PRP and plasma

Oil Test Centrifuge

CFG-5D (Oil)







Description

It is an ideal equipment for the oil extraction industry and petroleum scientific research units to measure the water content of the produced fluid (i.e. the water-containing crude oil) in the oil field production process.

Standard Swinging Rotor

Model	CFG-5D (Oil)
Rotor	Swinging Rotor
Swing Rotor	
Max.Speed	2000rpm
Max.RCF	957×g
Max. Capacity	4×100mL

Features

- The high-definition touch screen "intelligent system" displays the display interface at the same time, in addition to the rotation speed, running time, temperature, and acceleration and deceleration gears. It also displays the currently selected rotor specification and model, maximum rotation speed and maximum centrifugal force, door cover opening and closing status, real-time date and time, etc.
- Adopt large torque brushless frequency conversion motor, easy to operate; maintenance-free, no dust, fast lifting speed, greatly improving work efficiency.
- It adopts a ring heater, which heats quickly and has uniform temperature. It has temperature control and constant temperature functions to meet the temperature requirements of the centrifuge in the petroleum industry.
- Automatic electric induction door lock, emergency door opening function; automatic protection for overspeed and imbalance; the body is made of high-quality steel structure, built-in stainless steel explosion-proof protective inner sleeve, stainless steel centrifugal chamber, three-layer protection, safe and reliable.
- A spring taper sleeve is used to connect the rotor and the spindle. Loading and unloading the rotor is fast and simple, non-directional, safe and reliable, and more convenient to use.
- The centrifuge bucket is made with a special process and is designed to reduce vibration according to the characteristics of silicate glass. The bottom of the alloy aluminum cup is made of PA polymer pad to effectively protect the glass tube during the centrifugation process. If necessary, a small amount of hot water can be injected for balancing or protecting the glass tube.
- It is equipped with a fault self-diagnosis system, which can automatically detect various faults such as over-speed,over-temperature,imbalance, door cover self-locking, etc., and display fault information in the display window to improve the safety performance of the instrument.

Specification

Model	CFG-5D (Oil)
Max. Speed	5000r/min
Max. RCF	4730×g
Max. Capacity	4×100mL
Speed Accuracy	±10r/min
Timing Range	1s～99h59min59s
Temperature Range	RT.+10℃～80℃
Temperature Accuracy	±2℃
Sound Emission	≤60dB(A)
Electricity	AC220V, 50Hz, 10A
External Dimension	700*500*400mm
N.W.(kg)/G.W.(kg)	67kg/90kg
Package Dimension (W*D*H)(mm)	890*590*570mm(wooden box)

Microhematocrit Centrifuge

CFG-12Y(HCT)

- Max. Speed: 12000rpm
- Max. RCF: 15800×g
- Max. Capacity: 24pcs capillary









Description

- It is used for the determination of blood hematocrit, the separation of trace blood and trace solutions.

Features

Adopt large torque brushless frequency conversion motor, maintenance-free, no dust, fast lifting speed.

Using induction electronic door lock, with emergency door opening device; door lock detection, overspeed, unbalance and other self-inspection and protection, safe and reliable.

Using microcomputer processor for precise control, LCD liquid crystal display, can store and call 10 sets of common programs.

10 acceleration rates and 10 deceleration rates for users to choose to achieve the best centrifugal effect.

The whole machine is all-steel structure, 304 stainless steel centrifugal chamber, multi-layer explosion-proof design, safe and stable; three-stage vibration reduction, automatic balance function.

Suitable for any laboratory, it occupies a small area, greatly saves limited laboratory space, and has a low opening height. Also suitable for laboratory benchtops with shelves.

Specification

Model	CFG-12Y(HCT)
Max. Speed	12000rpm
Max. Capacity	24pcs Capillary
Max. RCF	15800×g
Sound Emission	≤58dBA
Timing Ranging	1s～99min59s
Speed Accuracy	±10rpm
Electricity	AC110/220V, 50/60Hz
External Dimension(W*D*H)	350×270×210mm
N.W./G.W.	13kg, 16kg
Package Dimension(W*D*H)	430*350*290mm

Rotor

Rotor No.	No.05193
Rotor Type	Hematocrit rotor
Max. Speed	12000rpm
Max. Capacity	24 pieces vessel
Max. RCF	15800×g

Microhematocrit Centrifuge

CFG-12D CFG-14D



CFG-12D Features

- Speed range of 500-12000 rpm.
- Precise control of speed and time.
- Maintenance-free brushless DC motors.
- Door interlock



CFG-14D Features

- Speed range of 200-12000rpm Precise and independent control of speed and time.
- Easy operation with intuitive menu and LCD display.
- Maintenance-free brushless DC motor.
- Pulse operation for fast and convenient quick spins.
- Advance features include speed/RCF switch; short-time run function;audible alert function.
- Safety features include door interlock, overspeed detector; over-temperature detector; automatic internal diagnosis and automatic rotor identification.







Available rotors



Cat. No.19400047
CFG-14D & CFG-12D
Max. speed: 12000rpm
Max. RCF: 13680×g
Rotor capacity: capillary tubes×24
Rotor material: High strength aluminum





Specifications

Model	CFG-12D	CFG-14D
Speed Range	500-12000rpm, increment: 100rpm	200-12000rpm, increment: 10rpm
Max. RCF	13680×g	13680×g
Speed Accuracy	±100	±20
Run Time	10sec-99min/Continuous	30sec-99min/Continuous
Motor	Brushless DC motor	Brushless DC motor
Display	LCD	LCD
Safety Devices	Door interlock	Door interlock, Overspeed detector; Automatic internal diagnosis, Automatic rotor identification
Acceleration/Braking time	40s ↑ 40s ↓	30s ↑ 30s ↓
Power	Single-phase, 200V-240V,50Hz/60Hz, 5A; 380W	Single-phase, 200V-240V,50Hz/60Hz, 5A; 100V-120V,50Hz/60Hz, 5A 160W
Dimension[W×D×H]	280mm×364mm×213mm	280mm×364mm×274mm
Weight	8.5kg	10.5kg
Advanced features	Speed/RCF switch; Short-time run function; sound-alert function	Speed/RCF switch; Short-time run function; sound-alert function

Multi-Purpose Centrifuge

CFG-6D



Description

- CFG-6D Multi-Purpose Low-speed Centrifuge is ideal for the centrifugation of samples in clinical chemistry, cytology, research laboratories, industrial laboratories, etc.
- This centrifuge is suitable for tubes with caps, blood collection or urine tubes. Swing-out bucket rotors and adapters can be compatible with standard tubes up to100mL at low speed.





Features:

- Speed range: 300- 6000rpm.
- Maximum capacity: 100 ml×4.
- 9 acceleration/10 brake speed settings to ensure optimal separation.
- A wide range of rotors optional (Angle Rotor and Swing Rotor).
- Automatic rotor identification.
- Timers can be set up to 99 min or HD for continuous running.
- Pulse key for quick spin function.
- 9 procedures stored in memory makes the operation much simplified.
- Maintenance-free brushless DC motors.

Specification

Model	CFG-6D
Speed range	300-6000rpm increment:10rpm
Max. RCF	4020×g
Speed accuracy	±20rpm
Max. Capacity	100mLx4
Run Time	30sec-99mins/continuous
Motor	Brushless DC
Display	LCD
Program Memory	9
Safety Devices	Door Imbalance protection
	Over speed & Over temperature detection
Acceleration/Deceleration	9↑/10↓steps
Power	660W; Single-phase AC220V-240V, 50Hz/60Hz, 6.3A; AC110V-120V,50Hz/60Hz,10A
Dimension[W×D×H]	445mm×579mm×269mm
Weight	36 kg
Advanced features	speed/rcf switch; Rotor identification

Available rotors



CAT. NO. 19400062
CFG-6D
Max. speed: 4000rpm
Max. RCF: 2200×g
Rotor capacity: Micro-plates 384-PCR/96-PCR/Elisa plates×8pcs; Deep well plates×4pcs
Rotor material: stainless steel body and aluminum buckets



CAT. NO. 19400040 (round bottom)
CFG-6D
Max. speed: 4500rpm
Max. RCF: 3210xg
Rotor capacity: 15mL×30
Rotor material: aluminum body and stainless steel
adapter Bio-safe (Bio-sealing): Yes

Available rotors



CAT. NO. 19400036
CFG-6D
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: PCR 8 trips×12
Rotor material: aluminum
Biosealing: Yes



CAT. NO. 19400034
CFG-6D
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 2mL×30
Rotor material: aluminum
Biosealing: Yes



CAT. NO. 19400037
CFG-6D
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 2mL×60
Rotor material: aluminum
Biosealing: Yes



CAT. NO. 19400038(cone bottom)
CFG-6D
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity:50mL×6 or 15mL×6
Rotor material: aluminum
Biosealing: Yes



CAT. NO. 19400035(cone bottom)
CFG-6D
Max. speed: 6000rpm
Max. RCF: 4020×g
Rotor capacity: 5mL×18
Rotor material: stainless steel body and aluminum buckets
Biosealing: Yes



CAT. NO. 19400039(round bottom)
CFG-6D
Max. speed: 5000rpm
Max. RCF: 3960xg
Rotor capacity: 50mL×8 or 15mLx16
Rotor material: aluminum body and stainless steel adapter



Uncapping block



CAT. NO. 19500025
15ml conical tube adapter,
MOQ 8 Pcs (optional)



CAT. NO. 19400041(Standard accessory)
for CFG-6D
Max. speed: 4000rpm
Max. RCF: 2950×g
Rotor material: stainless steel body and adapter

Accessory specifications



19400045



19400044



19400043



19400042

bucket	x 4										
tube	x 36		x 16			x 8	x 4	x 4	x 4	x 8	x 20
Nominal volume	3-7mL		10mL	12mL	15mL	50mL	100mL	85mL	50mL	15mL	3-7mL
ϕ × L mm	13x75	13x100	16x100	17x105	17x120	29.5x100	38x108	38x104	29.5x100	17x120 13x100 13x75	13x100 13x75
tube											
adapter	with plug					 A50V	 A100P80	 A100P50 A50V	 A100P15	 A100P10
Package	36					8	4		4	8	4
Tubes per rotor	36	36	16	16	16	8	4	4	4	8	20
Radius(cm)	14	16.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.1	14.7
Max RCF (g-force)	2500	2950	2840	2840	2840	2840	2840	2840	2840	2700	2630

Rotor	Capacity	Hole Diameter (mm)	Hole Depth (mm)	Max. Tube Height (mm)	Max. Speed (rpm)
CAT. NO. 19400034	2ml×30	11.2	39	43	6000
CAT. NO. 19400037	2ml×60	11.2	39	43	6000
CAT. NO. 19400038	50ml×6	31	87.8	118	6000
CAT. NO. 19400035	5ml×18	17.5	51	56	6000
CAT. NO. 19400039	50ml×8	35	85.8	118	5000
	15ml×16	17.5	98	123	
CAT. NO. 19400039	15ml×30	17.5	98	123	4500
CAT. NO. 119400062	Micro platex8/ Deep well platex4	-	-	-	4000

High Speed Centrifuge

CFG-B18B

Features

- Drive: Adopt AC variable frequency motor drive, maintenance-free, large torque, fast lifting speed, special combination shock absorber device to make the motor run smoothly.
- Display: Intelligent control, 5-inch LCD touch panel, operating parameters can be automatically memorized, and can be set directly by RCF.
- Machine body: Made of high-quality steel structure, safe and reliable; the stainless steel centrifugal chamber is durable and easy to clean.
- Security: Rotor number identification function(optional), multiple protection functions such as door cover self-locking, over-speed, imbalance, etc., equipped with electronic door lock to ensure safe and reliable operation.
- Control: Can store 15 customized working modes; jog function, short-term centrifugation, convenient for diversified centrifugation.
- Acceleration and deceleration: It has 9 acceleration and 10 deceleration levels, which can effectively prevent resuspension and achieve excellent centrifugation performance.

Specification

Model	CFG-B18B
Max. Speed	21000 r/min
Max. RCF	30640×g
Max. Capacity	4×750ml
Speed Accuracy	±30r/min
Timing Range	Timing centrifugation: 1min~99 min59sec; Continuous centrifugation: Hold
Motor	AC variable frequency motor, microcomputer control
Sound Emission	≤58dB
Electricity	AC 220V/50Hz,18A
Dimension	458*620*380mm
N.W./G.W.(kg)	55kg/70kg(including 1-2 sets of rotors)
Package Dimension (W*D*H)(mm)	900*440*530mm

Application

This series of centrifuges are advanced intelligent instruments, widely used in biochemistry, medical and health, food safety, life sciences, agriculture and forestry sciences, animal husbandry sciences, blood banks, blood stations, biopharmaceuticals, and other fields.



Rotor Configuration

Rotor No.	Max. Speed (r/min)	Max. RCF(×g)	Max. Capacity
No.1 Angle Rotor	21000	26750	18×0.5ml
No.2 Angle Rotor	21000	30640	12×1.5/2.2ml
No.3 Angle Rotor	16500	24890	24×1.5/2.2ml
No.4 Angle Rotor	15000	25650	32×1.5/2.2ml
No.5 Angle Rotor	15000	24270	48×1.5/2.2ml
No.6 Angle Rotor	16500	19170	12×5ml
No.7 Angle Rotor	15000	23120	12×10ml
No.8 Angle Rotor	15000	23640	6×50ml
No.9 Angle Rotor	12000	15610	8×50ml
No.10 Angle Rotor	15000	23640	8×15ml
No.11 Angle Rotor	14000	22022	12×15ml
No.12 Angle Rotor	13000	18138	4×100ml
No.13 Angle Rotor	10000	11808	6×100ml
No.14 Angle Rotor	16500	24890	4* PCR 8-strip tube
No.15 Swing Rotor	4000	2810	4×4×10ml
			4×6×10ml
			4×8×10ml
No.16 Swing Rotor	4000	2810	4×4×15ml
			4×6×15ml
			4×8×15ml
No.17 Swing Rotor	4000	2810	4×50ml
			4×2×50ml
No.18 Swing Rotor	4000	2810	4×100ml
			4×2×100ml
No.19 Swing Rotor	4200	3500	4×250ml
No.20 Swing Rotor	4000	3040	4×500ml
No.21 Swing Rotor	4000	3180	4×750ml
No.22 Swing Rotor	4200	3500	4×18×5/7ml
No.23 Swing Rotor	4000	3040	4×24×5/7ml
No.24 Microplate Rotor	4000	2300	2×2×96 well
No.25 Microplate Rotor	4000	3040	2×4×96 well